

Maeda Corporation

**Contract No. HY/2005/06
Castle Peak Road
Improvement – West of
Tsing Lung Tau**

Environmental Baseline
Monitoring Report for
Reclamation Works (EP
No. EP-219/2005)

Second Issue

Maeda Corporation

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Tsing Lung Tau**

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Monitoring Report for
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No. EP-219/2005)

May 2006

Maunsell Environmental Management Consultants Ltd
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By Fax (2417 0134) and Post

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Attn : Mr. Jeff S K Yu

11 May 2008

Dear Sir,

Contract No. HY/2005/06
Castle Peak Road Improvement – West of Tsing Lung Tau
Environmental Baseline Monitoring Report for Reclamation Works (EP No. EP-219/2005)

We refer to the Environmental Baseline Monitoring Report for Reclamation Works (EP No. EP-219/2005) received via emails on 10 May 2006 from Ove Arup & Partners Hong Kong Ltd., the Environmental Team (ET) of Castle Peak Road Improvement between Sham Tseng and Ka Loon Tsuen (West Contract).

The Environmental Baseline Monitoring Report for Reclamation Works (EP No. EP-219/2005) with EPD's and IEC's comments addressed is verified to be acceptable for onward submission to the Engineer, HyD, EPD and AFCD.

Should you have any inquiry or comment, please do not hesitate to contact the undersigned or our Miss Connie Wong at 3105 8530.

Yours faithfully
 for and on behalf of
**Maunsell Environmental
 Management Consultants Ltd**

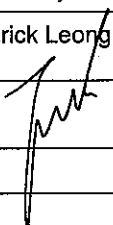




Y T Tang
 Independent Environmental Checker

cc MHJV - Mr. Simon Illingworth (Fax: 2559 1613)
 Arup - Mr. Sam Tsoi / Mr. Fredrick Leong (Fax: 2268 3950)

Arup Acoustics		Job No.
Master Ref. <i>EP-219/2005</i>		File No.
Reply Ref.	By	Date
Action Required.		
Received 11 MAY 2008		
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Cop.		

Job title	Contract No. HY/2005/06 Castle Peak Road Improvement – West of Tsing Lung Tau	Job number 23437
Document title	Environmental Baseline Monitoring Report for Reclamation Works (EP No. EP-219/2005)	File reference
Document ref	23437-74	

Revision	Date	Filename	74-Baseline Report for RW		
First Issue	26/4/06	Description	Issue to IEC for comments		
			Prepared by	Checked by	Approved by
		Name	Fredrick Leong	Sam Tsoi	Sam Tsoi
		Signature			
Second Issue	11/5/06	Filename	74-Baseline Report for RW – Rev A		
		Description	Submit to EPD with IEC's verification letter		
			Prepared by	Checked by	Approved by
		Name	Fredrick Leong	Sam Tsoi	Sam Tsoi
		Signature			
		Filename			
		Description			
			Prepared by	Checked by	Approved by
		Name			
		Signature			
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		Description			
			Prepared by	Checked by	Approved by
		Name			
		Signature			

Issue Document Verification with Document

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EXECUTIVE SUMMARY

The reclamation at west of Tsing Lung Tau, which is covered by an Environmental Permit (EP No. EP-219/2005) issued in June 2005, is required to support part of the remaining section of Castle Peak Road improvement works. Baseline monitoring of only marine water quality is required under the Environmental Permit Condition 4.2 (i) and Section 2.4.3 of EM&A Manual. This report is to summarise the findings of this baseline monitoring and establish the compliance levels for the subsequent impact monitoring during the construction stage.

The environmental baseline monitoring for marine water quality for Castle Peak Road Improvement – West of Tsing Lung Tau was conducted between 29 September and 26 October 2005. Marine water quality was measured in terms of turbidity, dissolved oxygen and suspended solids. The weather during the baseline monitoring period was mainly sunny and fine.

Baseline marine water quality monitoring was conducted at 10 monitoring locations (5 impact and 5 control) at mid-ebb and mid-flood. The average values of the three parameters were comparable during mid-ebb and mid-flood.

Action and Limit Levels for each monitoring location were derived from the baseline monitoring results and these will be adopted for impact environmental monitoring.

1 Introduction

1.1 Projection Background

The Castle Peak Road (CPR) Improvement works consist of upgrading the existing CPR to provide a dual two-lane carriageway of "Rural Road A" classification between Area 2 (Tusen Wan) and Ka Loon Tsuen. The CPR Improvement project is divided into three contracts, namely HY/99/18 (West Contract), HY/99/19 (Middle Contract) and HY/2000/02 (East Contract).

Prior to inviting tenders for Contract No. HY/99/18, a section of the proposed works, between Ch.1+800 and Ch.2+240, west of Tsing Lung Tau, was excised from the Project and entrusted to the Route 10 – North Lantau to Yuen Long Highway project. This 440m long section of CPR was located under the proposed Route 10 suspension bridge, and was to form part of the works area for the Route 10 project. The Route 10 project team revised the alignment of this section of CPR accordingly to suit the arrangement of the Route 10 suspension bridge.

Following subsequent developments, the Route 10 project was placed under review, and Government therefore decided to implement the excised section of CPR (the Remaining Project) under the original CPR Improvement project. **Figure 1-1** shows the site location plan.

Additional reclamation (0.58 ha) at west of Tsing Lung Tau is required to support part of the remaining section of road improvement works which constitutes a material change to the reclamation works at Tsing Lung Tau.

The construction programme is shown in **Appendix A** and the scope of the construction works covered by this Project is summarised as follows:

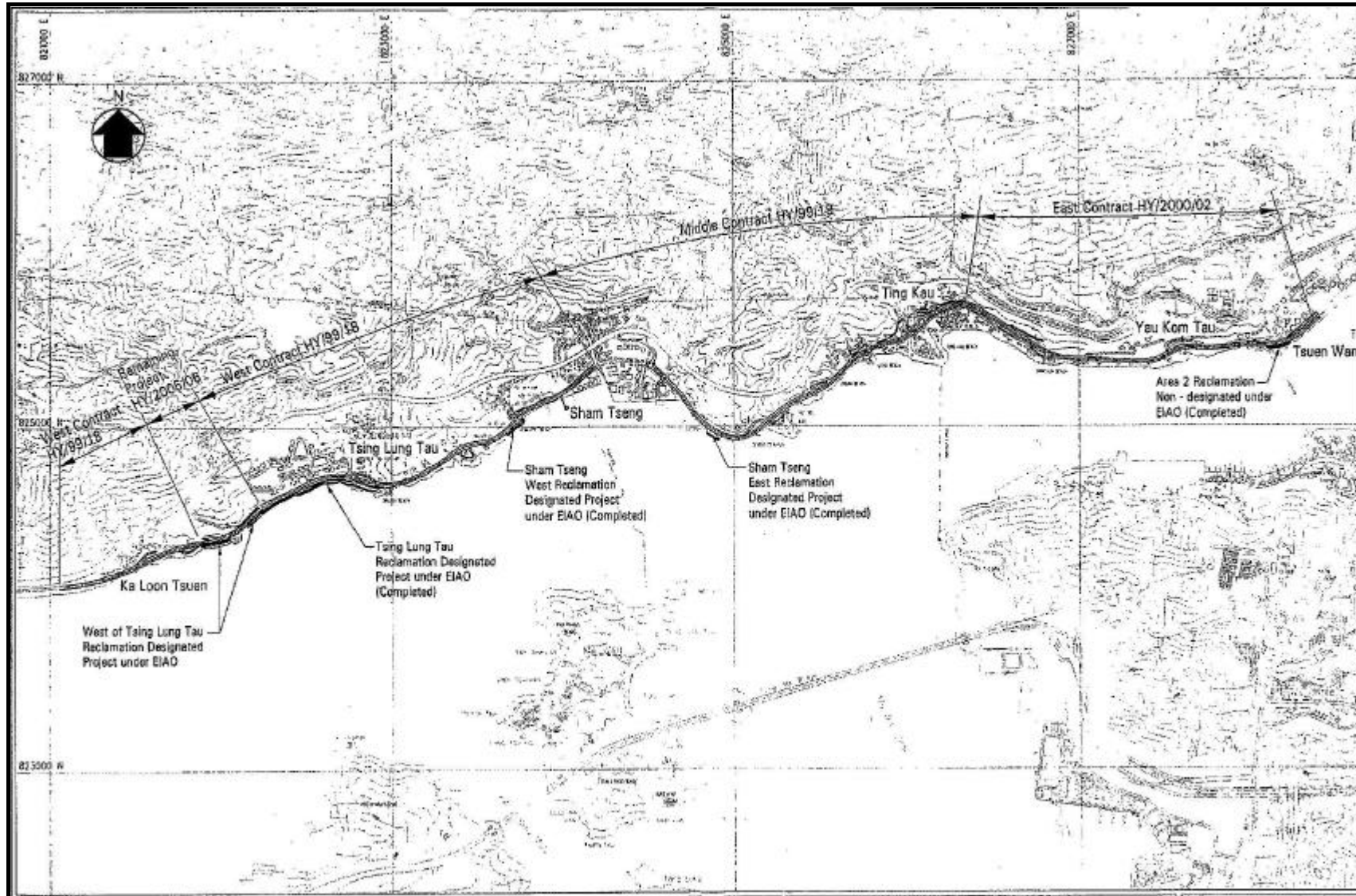
- The area of reclamation to the east of Grand Bay Villa is about 0.12 ha. The length of this part of the reclamation, measured parallel to the road, is about 107 m, and the maximum width, measured from the existing High Water Mark (HWM) to the proposed toe of the scour apron is about 16 m, of which about 13 m is sloping revetment;
- The area of reclamation to the west of Grand Bay Villa is about 0.46 ha. The length of this part of the reclamation, measured parallel to the road, is about 172 m, and the maximum width, measured from the existing High Water Mark (HWM) to the proposed toe of the scour apron is about 38 m, of which about 15 m is sloping revetment.

The reclamation at west of Tsing Lung Tau is covered by an Environmental Permit (EP) No. EP-219/2005 issued in June 2005 with reference to Section 6 of the Technical Memorandum on Environmental Impact Assessment Ordinance (TM-EIAO). The EP was issued following the approval of the application to apply directly for an EP based upon the Project Profile. In accordance with the Environmental Monitoring and Audit (EM&A) Manual^[1], environmental baseline monitoring for marine water quality is required prior to commencement of construction.

1.2 Purpose of the Report

Baseline monitoring of only marine water quality is required under the Environmental Permit Condition 4.2 (i) and Section 2.4.3 of EM&A Manual. The baseline monitoring for marine water quality was undertaken in accordance with the EM&A Manual^[1] and EM&A Guidelines for Development Projects in Hong Kong^[2] prior to the commencement of any construction activities on-site. The purpose of this report is to summarise the findings of this baseline monitoring and establish the compliance levels for the subsequent impact monitoring during the construction stage. Other than this introductory section, the report will provide information on the monitoring methodology, monitoring results, derivation of Action and Limit (A/L) Levels, and conclusions.

Figure 1-1: Site location Plan



2 Baseline Monitoring Methodology

2.1 Water Quality

2.1.1 Water Quality Parameters and Equipment

Monitoring of turbidity (Tby) in Nephelometric Turbidity Unit (NTU), Dissolved Oxygen (DO) in mg/L and Suspended Solids (SS) in mg/L were carried out to ensure that any deteriorating water quality could be readily detected and timely action be taken to rectify the situation. Tby and DO were measured in-situ while SS was determined by LAM Geotechnics Ltd. A summary of the water quality monitoring equipment is given in **Table 2-1**.

Table 2-1: Water quality monitoring equipment

Equipment	Manufacturer & Model No.	Qty
Handheld Salinity, Conductivity & Temperature System	YSI Model 600XL-B-M	1
Dissolved Oxygen Meter	YSI Model 600XL-B-M	1
Turbidimeter	HACH 2100P	1
Suspended Solids Water Sampler	Wild Co Instrument	1

In association with the water quality parameters, some relevant data were also recorded, such as monitoring location/position, time, water depth, water temperature, salinity, DO saturation, weather conditions, sea conditions, tidal cycle, and any special phenomena and work underway at the construction site, etc.

Dissolved Oxygen and Temperature Measuring Equipment

The equipment to measure DO and temperature complied with the following requirements:

- i. The instrument (YSI Model 600XL-B-M) was a portable, weatherproof dissolved oxygen measuring instrument complete with cable and uses a DC power source. It was capable of measuring:
 - A dissolved oxygen level in the range of 0- 20 mg/L and 0-200% saturation; and
 - A temperature of 0-45°C.
- ii. It had a membrane electrode with automatic temperature compensation complete with a cable. Sufficient stocks of spare electrodes and cables are available for replacement where necessary
- iii. It had equipped with a salinity compensation device in the DO equipment.

Turbidity Measurement Instrument

The instrument (HACH model 2100P) was a portable, weatherproof turbidity-measuring instrument complete with a comprehensive operation manual. The equipment was operated by a DC power source and had a photoelectric sensor capable of measuring turbidity between 0-1000 NTU.

Suspended Solids

To collect the suspended solids for laboratory testing, the water sampler (Wild Co Instrument) comprised a transparent PVC cylinder, with a capacity of not less than 2L and could be effectively sealed with latex cups at both ends. The sampler had a positive latching system to keep it open and prevent premature closure until released by a messenger when the sampler is at the selected water depth.

Water samples for SS measurement of both the marine and freshwater environment was collected in high density polythene bottles, packed in ice (cooled at 4°C without being frozen) and delivered to the laboratory as soon as possible after collection.

Water Depth Detector

A portable, battery-operated echo sounder was used for the determination of water depth at each designated monitoring. This unit could be handheld to the bottom of the work boat.

Salinity

A portable salinometer (YSI Model 600XL-B-M) capable of measuring salinity in the range of 0-40 ppt was provided for measuring salinity of the water at each monitoring location and setting salinity compensation on the DO Meter.

Location of the Monitoring Site

A hand-held type Global Positioning System (GPS) was used during monitoring to ensure the monitoring vessel was at the correct location before taking measurements. For monitoring locations in the watercourses, the hand-held GPS together with a suitably scaled map was used.

Calibration and Accuracy of Instrumentation

All in-situ monitoring instruments were checked, calibrated and certified by Lam Geotechnics Ltd, a HOKLAS laboratory. Responses of sensors and electrodes were checked with certified standard solutions before each use. Wet bulb calibration for a DO meter was carried out before measurement at each monitoring location. The calibration certificates are attached in **Appendix C**. For the on site calibration of field equipment, BS 1427:1993, "Guide to Field and on-site test methods for the analysis of waters" was adopted. **Table 2-2** gives the detection limits of the in-situ and laboratory measurements.

Table 2-2: Limit of detection of water quality parameters

Determinant	Limit of Detection	Precision
Dissolved Oxygen	0.1 mg/L	1%
Salinity	0.01 ppt	1%
Turbidity (NTU)	0.1 NTU	1%
Suspended Solids	1 mg/L	2%

2.1.2 Monitoring Locations

Ten locations were selected for baseline marine water quality monitoring and the coordinates are given in **Table 2-3** and presented in **Figure 2-1**.

Table 2-3: Baseline marine water monitoring locations

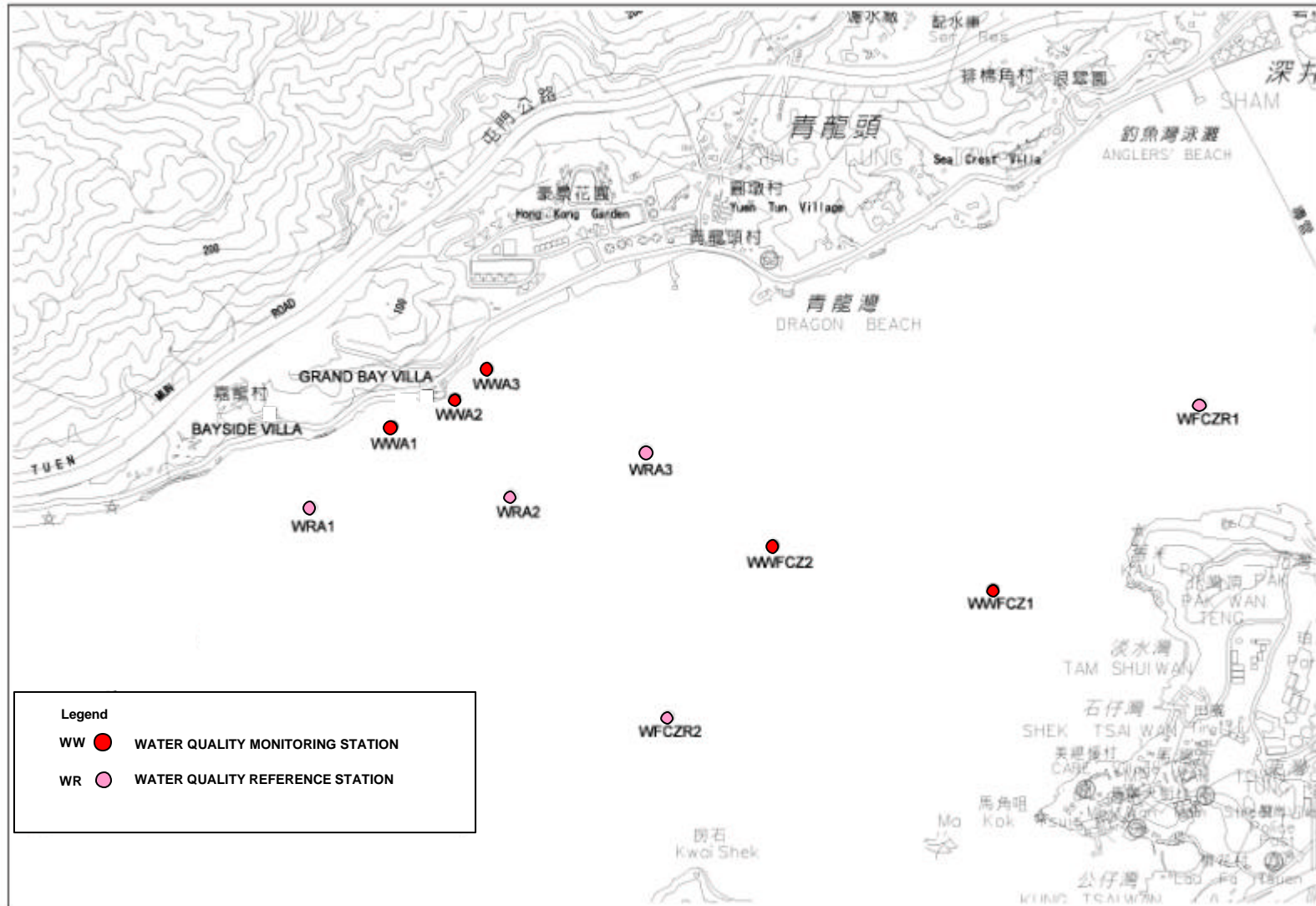
Marine Water Monitoring Location No.		Location	
		Eastings	Northings
West of Grand Bay Villa	WWA1 (Impact Location)	821981	824282
	WRA1 (Control Location)	821776	824078
Grand Bay Villa	WWA2 (Impact Location)	822141	824352
	WRA2 (Control Location)	822283	824107
East of Grand Bay Villa	WWA3 (Impact Location)	822222	824429
	WRA3 (Control Location)	822625	824222
Ma Wan Fish Culture Zone	WWFCZ1 (Impact Location)	823500	823870
	WWFCZ2 (Impact Location)	822943	823983
	WFCZR1 (Control Location)	824024	824333
	WFCZR2 (Control Location)	822677	823547

2.1.3 Monitoring Frequency

Baseline marine water monitoring was conducted four times a week for four consecutive weeks to establish the water quality conditions prior to commencement of the construction works. The actual dates of measurement are given in the schedule attached in **Appendix B**.

The marine water monitoring was undertaken during mid-ebb and mid-flood (not high water) tidal conditions in accordance with the EM&A Guidelines for Development Projects In Hong Kong^[2], provides a more up-to-date guidance for the implementation of EM&A programme.

Figure 2-1: Monitoring locations



3 Baseline Monitoring Results

3.1 Water Quality

3.1.1 Weather Conditions and Other Factors

Marine water monitoring was conducted between 29 September and 26 October 2005. The weather was mainly sunny and fine during the baseline monitoring period. Duplicate sample analysis was carried out during monitoring period.

3.1.2 Summary Results

The monitoring results are summarised in **Tables 3-1 and 3-2** and graphical presentations are shown in **Figures 3-1 – 3-8**. Details of the monitoring and QA/QC results are attached in **Appendix D and E** respectively. The data in **Tables 3-1 and 3-2** are the averaged results from the two duplicated samples at the same depth and same position.

Table 3-1: Baseline water quality monitoring results at mid-ebb tide

Water Quality Monitoring Location	Parameters			
	Average DO in mg/L (Range)		Average Turbidity in NTU (Range)	Average SS in mg/L (Range)
	Surface & Middle	Bottom		
WWA1	3.9 (4.5 – 3.5)	3.8 (4.8 – 3.4)	5.2 (7.8 – 3.3)	16.5 (26.2 – 6.6)
WRA1	4.0 (5.0 – 3.6)	3.9 (4.7 – 3.6)	4.8 (7.4 – 2.5)	16.6 (23.2 – 10.5)
WWA2	3.9 (4.6 – 3.4)	3.8 (4.4 – 3.3)	4.9 (6.9 – 2.7)	17.2 (23.3 – 10.3)
WRA2	3.9 (4.6 – 3.4)	3.8 (4.4 – 3.3)	5.2 (10.2 – 2.9)	17.2 (23.3 – 9.3)
WWA3	3.8 (4.8 – 3.3)	3.8 (4.6 – 3.2)	5.3 (8.4 – 2.9)	18.0 (25.3 – 10.6)
WRA3	3.9 (4.6 – 3.6)	3.8 (4.3 – 3.4)	4.6 (7.5 – 1.8)	16.2 (23.0 – 7.9)
WWFCZ1	4.0 (4.6 – 3.7)	3.9 (4.3 – 3.7)	4.6 (9.2 – 2.2)	18.2 (31.3 – 10.9)
WWFCZ2	4.0 (5.0 – 3.6)	3.9 (4.4 – 3.5)	4.5 (7.1 – 2.5)	16.7 (23.0 – 11.2)
WFCZR1	4.1 (4.8 – 3.7)	4.0 (4.4 – 3.6)	4.6 (7.8 – 2.5)	17.4 (24.2 – 8.5)
WFCZR2	4.0 (5.0 – 3.6)	3.9 (4.6 – 3.6)	4.4 (5.7 – 2.6)	19.7 (32.8 – 10.1)

Table 3-2: Baseline water quality monitoring results at mid-flood tide

Water Quality Monitoring Location	Parameters			
	Average DO in mg/L (Range)		Average Turbidity in NTU (Range)	Average SS in mg/L (Range)
	Surface & Middle	Bottom		
WWA1	3.7 (4.4 – 3.3)	3.6 (4.3 – 3.2)	5.0 (7.3 – 1.5)	16.5 (24.3 – 8.9)
WRA1	3.7 (4.2 – 3.3)	3.6 (4.1 – 3.3)	5.0 (7.6 – 1.6)	18.2 (26.5 – 13.0)
WWA2	3.7 (4.4 – 3.3)	3.6 (4.2 – 3.2)	5.2 (8.3 – 1.8)	18.5 (23.7 – 9.1)
WRA2	3.8 (4.4 – 3.3)	3.7 (4.5 – 3.2)	5.5 (7.6 – 1.6)	17.9 (24.3 – 11.4)
WWA3	3.8 (4.3 – 3.3)	3.6 (4.2 – 3.2)	5.2 (11.2 – 1.7)	16.7 (23.8 – 10.6)
WRA3	3.8 (4.4 – 3.3)	3.7 (4.2 – 3.3)	4.3 (8.2 – 1.5)	17.7 (24.0 – 12.8)
WWFCZ1	3.9 (4.5 – 3.0)	3.8 (4.3 – 2.9)	4.5 (11.9 – 1.8)	17.3 (26.2 – 9.0)
WWFCZ2	3.9 (4.6 – 3.5)	3.8 (4.2 – 3.5)	4.3 (6.7 – 1.8)	18.3 (28.2 – 9.9)
WFCZR1	4.0 (4.8 – 3.3)	3.9 (4.4 – 3.1)	4.1 (5.8 – 1.7)	17.8 (24.7 – 12.2)
WFCZR2	3.9 (4.6 – 3.3)	3.8 (4.4 – 3.3)	4.3 (6.7 – 2.2)	18.9 (29.8 – 11.2)

Figure 3-1: Baseline water quality monitoring results – dissolved oxygen (surface & middle) at mid-ebb tide

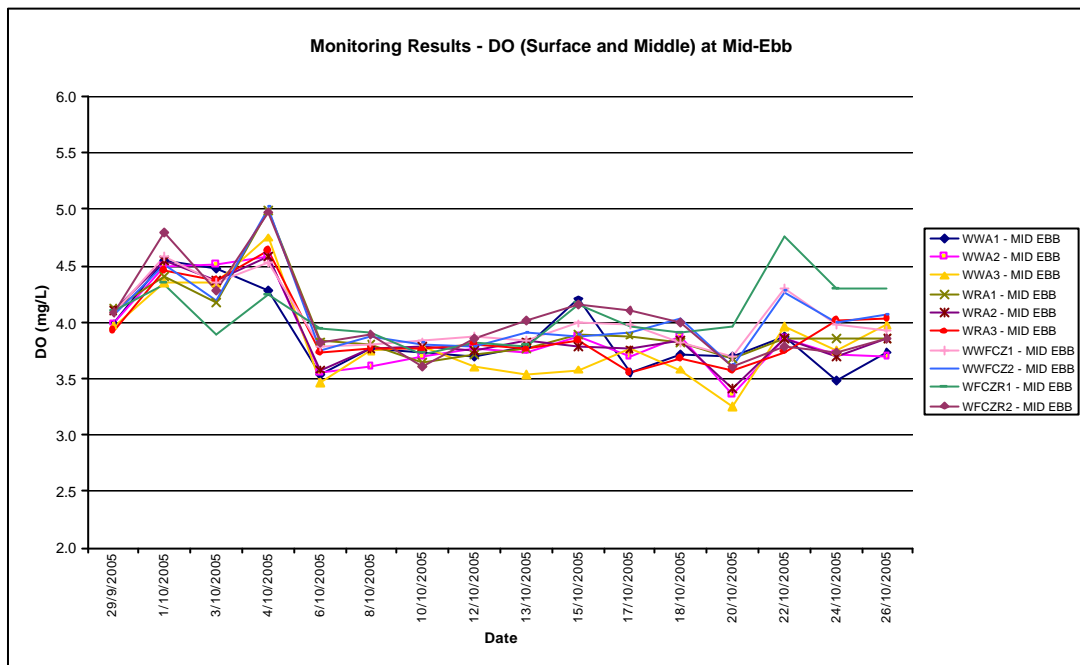


Figure 3-2: Baseline water quality monitoring results – dissolved oxygen (bottom) at mid-ebb tide

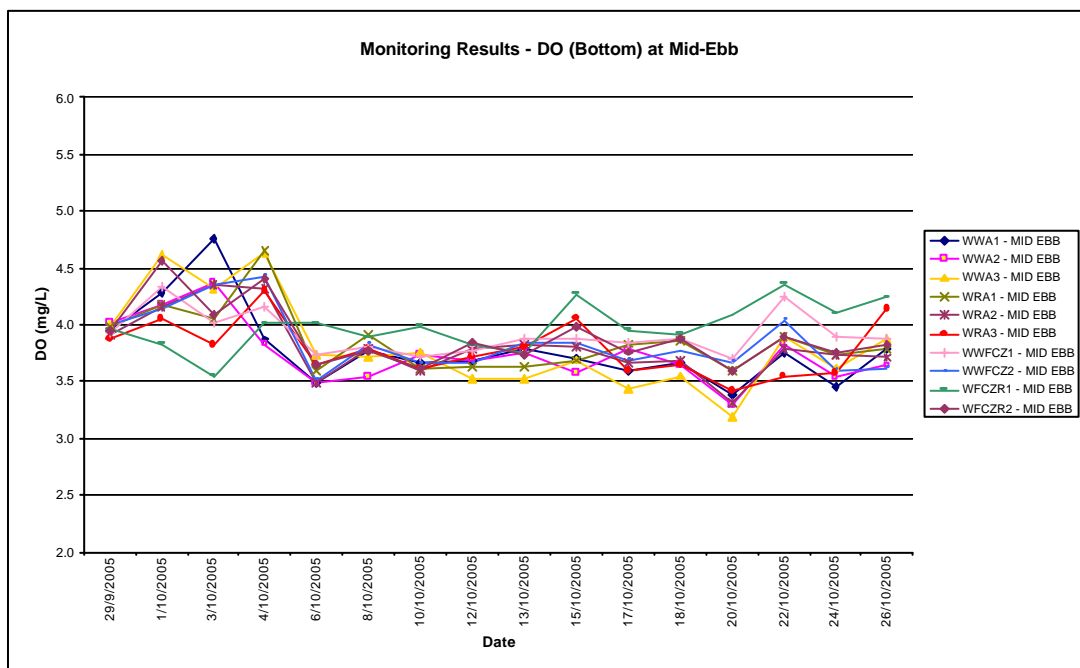


Figure 3-3: Baseline water quality monitoring results – turbidity at mid-ebb tide

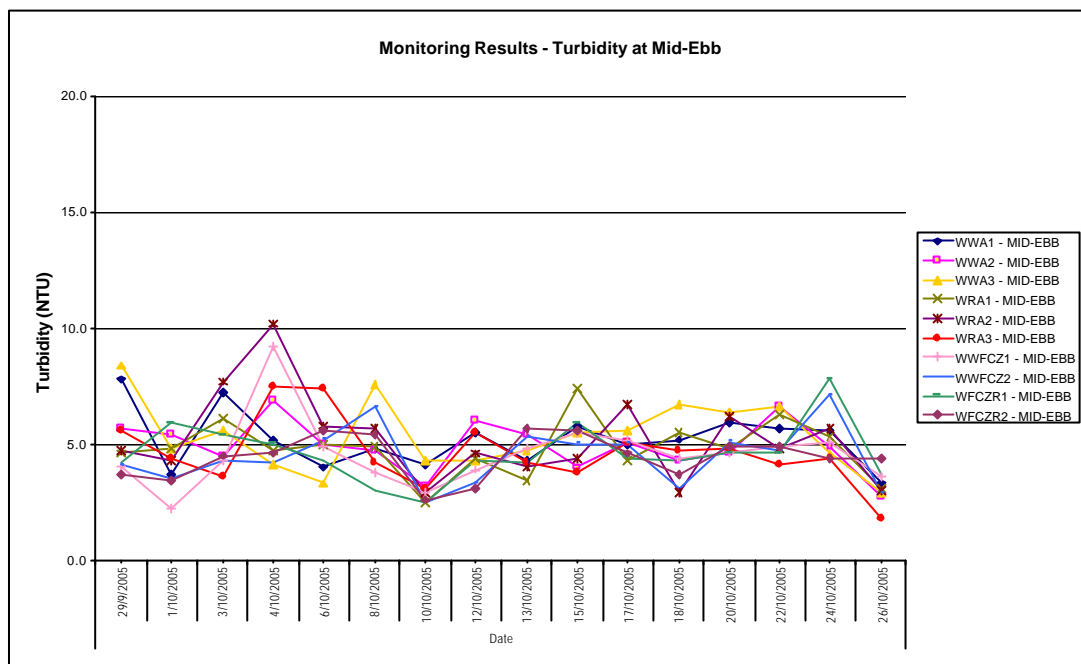


Figure 3-4: Baseline water quality monitoring results – suspended solids at mid-ebb tide

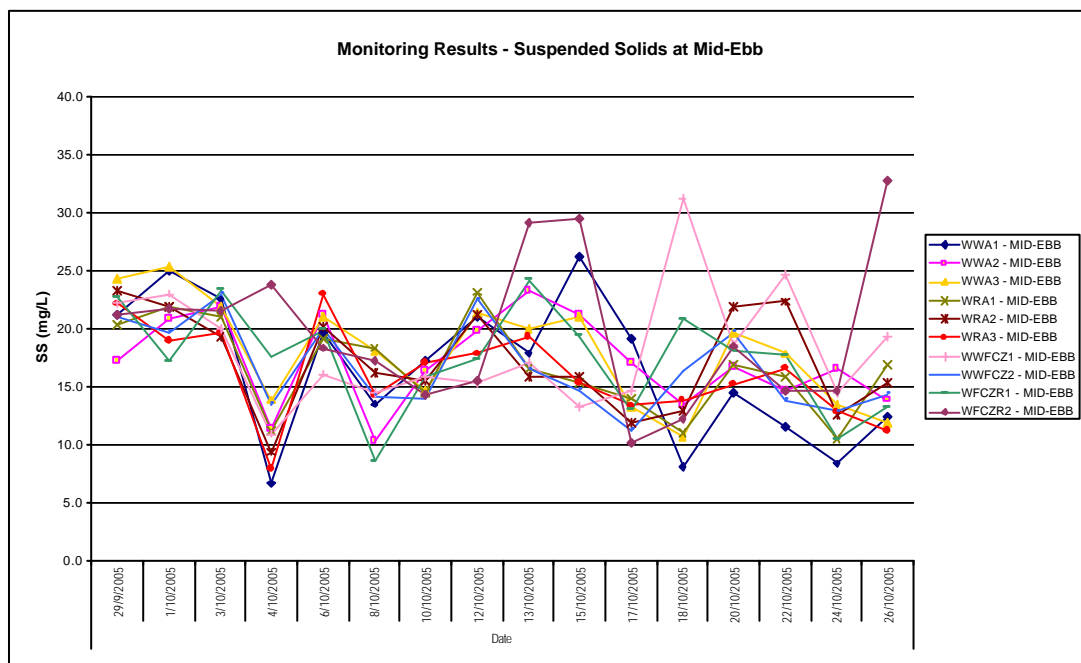


Figure 3-5: Baseline water quality monitoring results – dissolved oxygen (surface & middle) at mid-flood tide

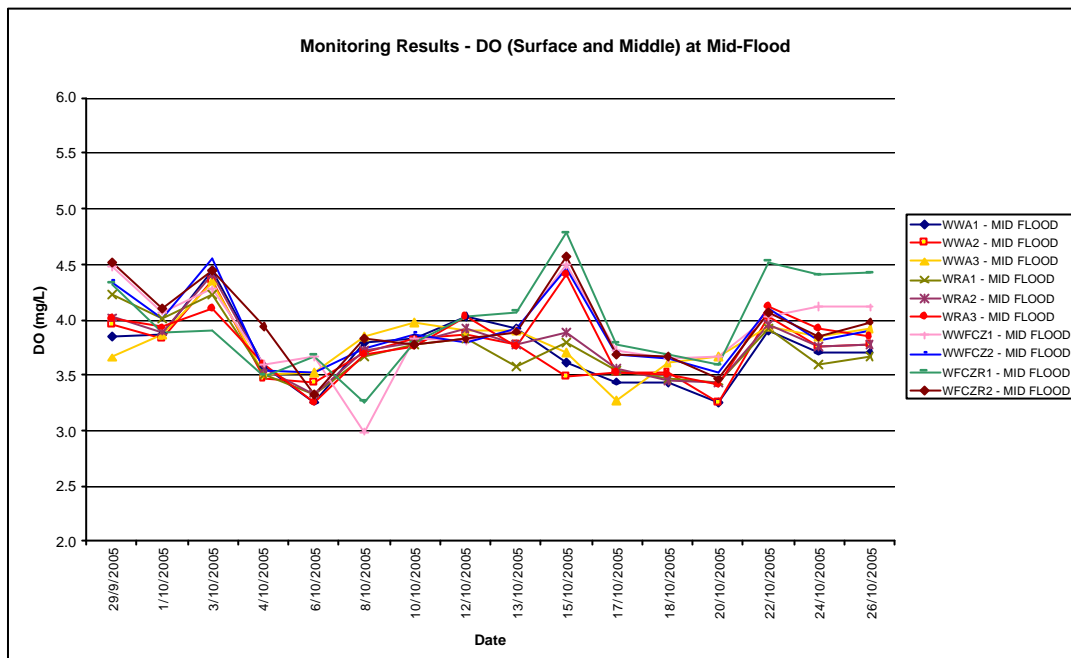


Figure 3-6: Baseline water quality monitoring results – dissolved oxygen (bottom) at mid-flood tide

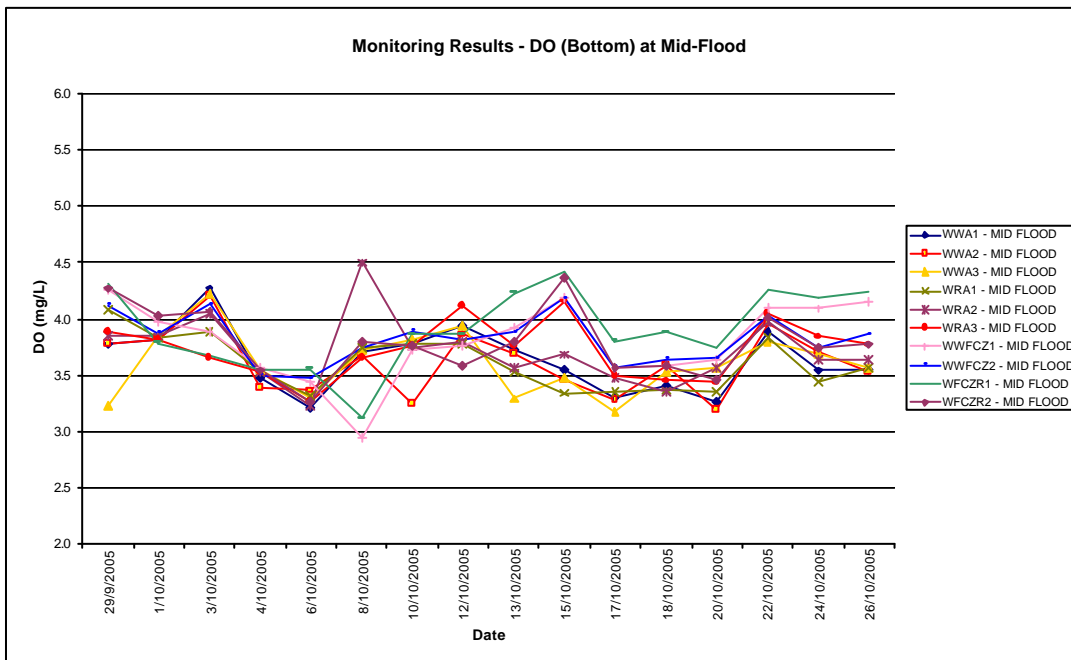


Figure 3-7: Baseline water quality monitoring results – turbidity at mid-flood tide

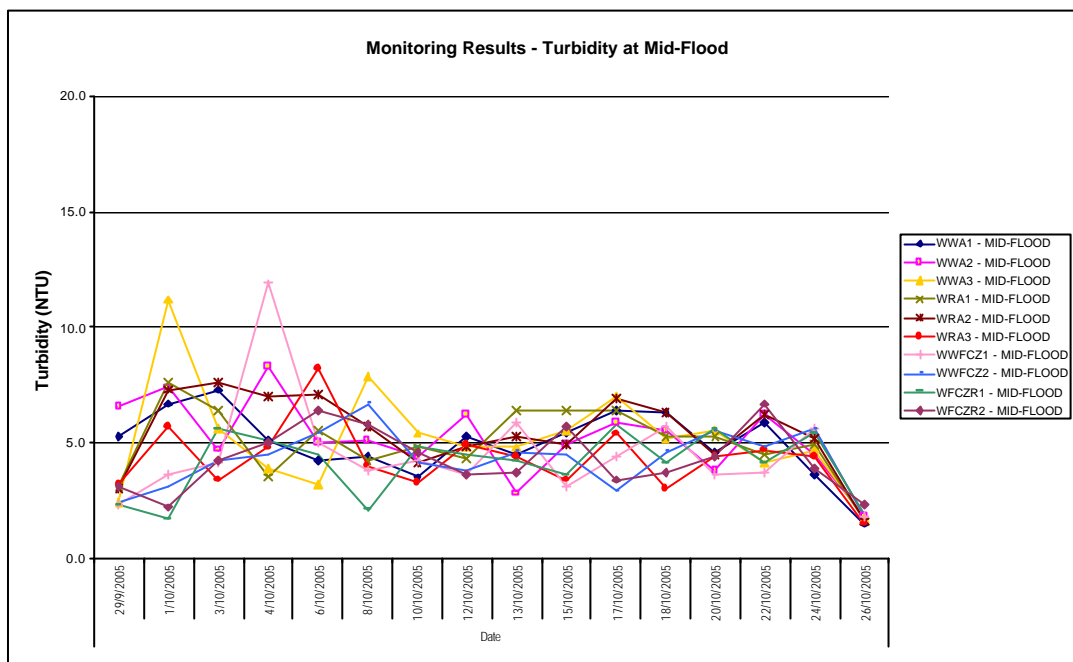
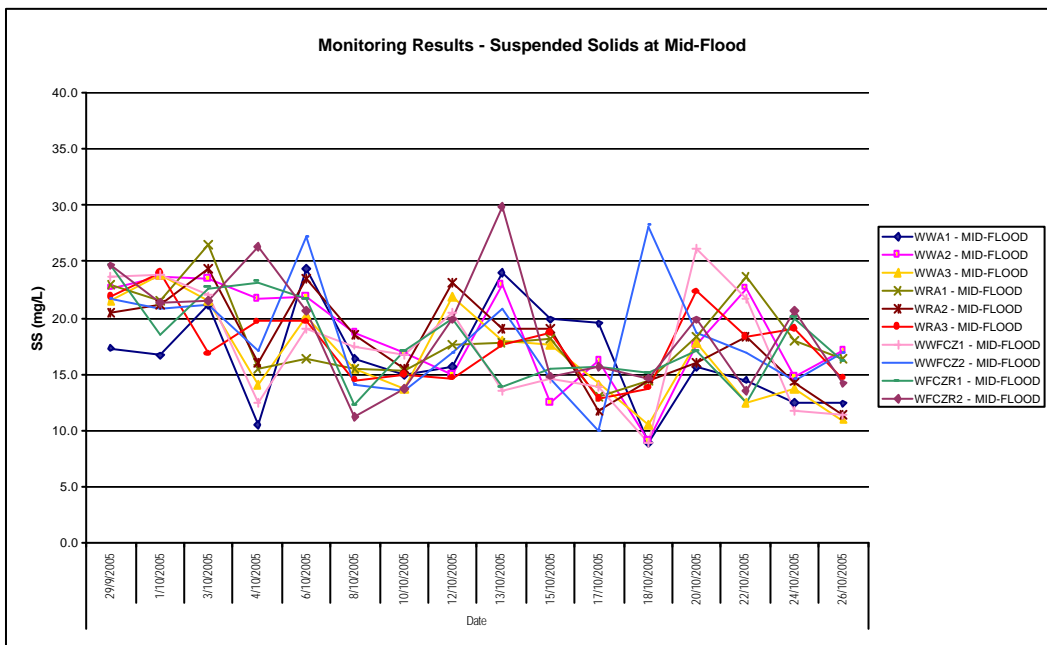


Figure 3-8: Baseline water quality monitoring results – suspended solids at mid-flood tide



4 Derivation of Action and Limit Levels

The Action and Limit (A/L) Levels are defined levels of impact recorded by the environmental monitoring activities. They represent levels at which a prescribed response is required. These levels are quantitatively defined in the subsequent sections of this Report in accordance with the EM&A Manual as follows:

Action Level

- The levels beyond which there is an indication of a deteriorating ambient environmental quality. Appropriate remedial actions may be necessary to prevent the environmental quality from going beyond the limit levels, which would be unacceptable.

Limit Level

- Statutory and / or agreed contract limits stipulated in relevant pollution control ordinances, Hong Kong Planning Standards and Guidelines (HKPSG), or Environmental Quality Objectives established by EPD. If these are exceeded, works shall not proceed without appropriate remedial action, including a critical review of plant and work methods.

4.1 Water Quality

4.1.1 Event/Action Plan for Water Quality

The water quality criteria - the A/L Levels as shown in **Table 4-1** have been provided in the EM&A Manual^[1].

Table 4-1: Criteria of action and limit levels for water quality

Parameters	Action Level	Limit Level
DO ⁽¹⁾ in mg/l (Surface, Middle & Bottom)	<u>Surface & Middle</u> 5%-ile ⁽²⁾ of baseline data for surface and middle layer <u>Bottom</u> 5%-ile of baseline data for bottom layer	<u>Surface & Middle</u> 4mg/l except 5 mg/l for FCZ ⁽³⁾ or 1%-ile of baseline data for surface and middle layer <u>Bottom</u> 2mg/l or 1%-ile of baseline data for bottom layer
SS in mg/l (depth-averaged ⁽⁴⁾)	95%-ile of baseline data or 120% of upstream control station's SS at the same tide of the same day	99%-ile of baseline or 130% of upstream control station's SS at the same tide of the same day and specific sensitive receiver water quality requirements (e.g. required suspended solids level for concerned sea water intakes)
Turbidity (Tby) in NTU (depth averaged)	95%-ile of baseline data or 120% of upstream control station's Tby at the same tide of the same day	99%-ile of baseline or 130% of upstream control station's Tby at the same tide of the same day.

Remarks: (1) For DO, non-compliance of the water quality limits occur when monitoring result is lower than the limits.
 (2) %-ile - percentile
 (3) FCZ - Fish Culture Zone
 (4) Depth-averaged is calculated by taking the arithmetic means of reading of all three depths

Based on the baseline water quality monitoring data obtained, the A/L levels are shown in **Table 4-2**. If the water quality monitoring results at any impact stations exceeded the criteria, the actions in accordance with the Event and Action Plan in **Table 4-3** should be taken. As the baseline monitoring was conducted in September to October 2005, the established A/L Levels should be representative to the marine water quality during summer season. To cope with any potential variation of baseline levels due to changes in weather conditions, baseline check should be conducted on bi-annual basis in order to update any variation of the baseline water quality at the monitoring locations.

The baseline check will be conducted when no marine works are carried out. Compliance assessment for future impact monitoring data will be made against the updated baseline check criteria as follows. Future updated baseline check data will be included in the relevant monthly EM&A reports.

- Tier 1 - Comparison of water quality monitoring data at Impact Stations with the A/L Levels proposed in the Baseline Monitoring Report. If the data comply with A/L Levels, go to Tier 2. Otherwise, non-compliance will be reported and Event and Action Plan will be triggered.
- Tier 2 - Comparison of water quality monitoring data at Impact Stations with the Baseline Check Level (80% of average values of baseline check data collected at 10 monitoring locations for DO and 120% of average values of baseline check data collected at 10 monitoring locations for Tby and SS). If the impact water quality is better than Baseline Check Level, compliance will be reported. Otherwise, go to Tier 3.
- Tier 3 - Comparison of water quality monitoring data at Impact Stations with the respective Control Stations. If the impact water quality is better than the respective Control Station, compliance will be reported. Otherwise, non-compliance will be reported and Event and Action Plan will be triggered.

Table 4-2: Action and limit levels of water quality

Parameters		Monitoring locations									
		WWA1		WWA2		WWA3		WWFCZ1		WWFCZ2	
		Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level	Action Level	Limit Level
Mid-ebb											
DO (mg/L)	Surface & middle	3.5	3.5	3.5	3.4	3.4	3.3	5.0 *	5.0	5.0 *	5.0
	Bottom	3.4	3.4	3.4	3.3	3.4	3.2	3.7	2.0	3.6	2.0
SS (mg/L)		25.3	26.0	22.2	23.1	24.6	25.2	26.3	30.3	22.6	22.9
Tby (NTU)		7.4	7.7	6.7	6.9	7.8	8.3	6.4	8.6	6.7	7.0
Mid-flood											
DO (mg/L)	Surface & middle	3.3	3.3	3.4	3.3	3.5	3.3	5.0 *	5.0	5.0 *	5.0
	Bottom	3.2	3.2	3.2	3.2	3.2	3.2	3.3	2.0	3.5	2.0
SS (mg/L)		24.1	24.3	23.5	23.6	22.3	23.5	24.4	25.8	27.4	28.0
Tby (NTU)		6.9	7.2	7.6	8.2	8.7	10.7	7.4	11.0	5.9	6.5

* Based on the criteria in Table 4-1, the originally established action levels of DO for fish culture zone at surface & middle level were all below the 5.0 mg/L.

Table 4-3: Event/Action plan for water quality

Event	Action			
	ET Leader	IEC	ER	Contractor
Action Level				
Action level being exceeded by one sampling day	<ol style="list-style-type: none"> Repeat in-situ measurement to confirm findings. Identify source(s) of impact. Inform the IEC and the Contractor. Check monitoring data, all plant, equipment and the Contractor's working methods. Discuss mitigation measures with the IEC and the Contractor. Repeat measurement on next day of exceedance. 	<ol style="list-style-type: none"> Discuss with the ET Leader and the Contractor on the mitigation measures. Review proposals on mitigation measures submitted by the Contractor and advised the ER accordingly. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> Discuss with the IEC on the proposed mitigation measures. Make agreement on the mitigation measures to be implemented. 	<ol style="list-style-type: none"> Inform the ER and confirm notification of the non-compliance in writing. Rectify unacceptable practice. Check all plants and equipment. Consider changes of working methods. Discuss with the ET Leader and the IEC and propose mitigation measures to the IEC and the ER. Implement the agreed mitigation measures.
Action level being exceeded by more than one consecutive days	<ol style="list-style-type: none"> Repeat in-situ measurement to confirm findings. Identify source(s) of impact. Inform the IEC and the Contractor. Check monitoring data, all plant, equipment and the Contractor's working methods. Discuss mitigation measures with the IEC and the Contractor. Ensure mitigation measures are implemented. Prepare to increase the monitoring frequency to daily. Repeat measurement on next day of exceedance. 	<ol style="list-style-type: none"> Discuss with the ET Leader and the Contractor on the mitigation measures. Review proposals on mitigation measures submitted by the Contractor and advised the ER accordingly. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> Discuss with IEC on the proposed mitigation measures. Make agreement on the mitigation measures to be implemented. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> Inform the ER and confirm notification of the non-compliance in writing. Rectify unacceptable practice. Check all plants and equipment. Consider changes of working methods. Discuss with the ET Leader and the IEC and propose mitigation measures to the IEC and the ER within 3 working days. Implement the agreed mitigation measures.
Limit Level				
Limit level being exceeded by one sampling day	<ol style="list-style-type: none"> Repeat in-situ measurement to confirm findings. Identify source(s) of impact. Inform the IEC, the Contractor and the DEP. Check monitoring data, all plant, equipment and the Contractor's working methods. Discuss mitigation measures with the IEC, the ER and the Contractor. Ensure mitigation measures are implemented. Increase the monitoring frequency to daily until no exceedance of the Limit Level. 	<ol style="list-style-type: none"> Discuss with the ET Leader and the Contractor on the mitigation measures. Review proposals on mitigation measures submitted by the Contractor and advised the ER accordingly. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> Discuss with IEC, the ET Leader and the Contractor on the proposed mitigation measures. Request the Contractor to critically review the working methods. Make agreement on the mitigation measures to be implemented. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> Inform the ER and confirm notification of the non-compliance in writing. Rectify unacceptable practice. Check all plants and equipment. Consider changes of working methods. Discuss with the ET Leader, the IEC and the ER, and propose mitigation measures to the IEC and the ER within 3 working days. Implement the agreed mitigation measures.
Limit level being exceeded by more than one consecutive days	<ol style="list-style-type: none"> Repeat in-situ measurement to confirm findings. Identify source(s) of impact. Inform the IEC, the Contractor and the DEP. Check monitoring data, all plant, equipment and the Contractor's working methods. Discuss mitigation measures with the IEC, the ER and the Contractor. Ensure mitigation measures are implemented. Increase the monitoring frequency to daily until no exceedance of the Limit Level for two consecutive days. 	<ol style="list-style-type: none"> Discuss with the ET Leader and the Contractor on the mitigation measures. Review proposals on mitigation measures submitted by the Contractor and advised the ER accordingly. Assess the effectiveness of the implemented mitigation measures. 	<ol style="list-style-type: none"> Discuss with IEC, the ET Leader and the Contractor on the proposed mitigation measures. Request the Contractor to critically review the working methods. Make agreement on the mitigation measures to be implemented. Assess the effectiveness of the implemented mitigation measures. Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the marine work until no exceedance of Limit Level. 	<ol style="list-style-type: none"> Inform the ER and confirm notification of the non-compliance in writing. Rectify unacceptable practice. Check all plants and equipment. Consider changes of working methods. Discuss with the ET Leader, the IEC and the ER, and propose mitigation measures to the IEC and the ER within 3 working days. Implement the agreed mitigation measures. As directed by the ER, slow down or stop all or part of the construction activities.

5 Comments and Conclusions

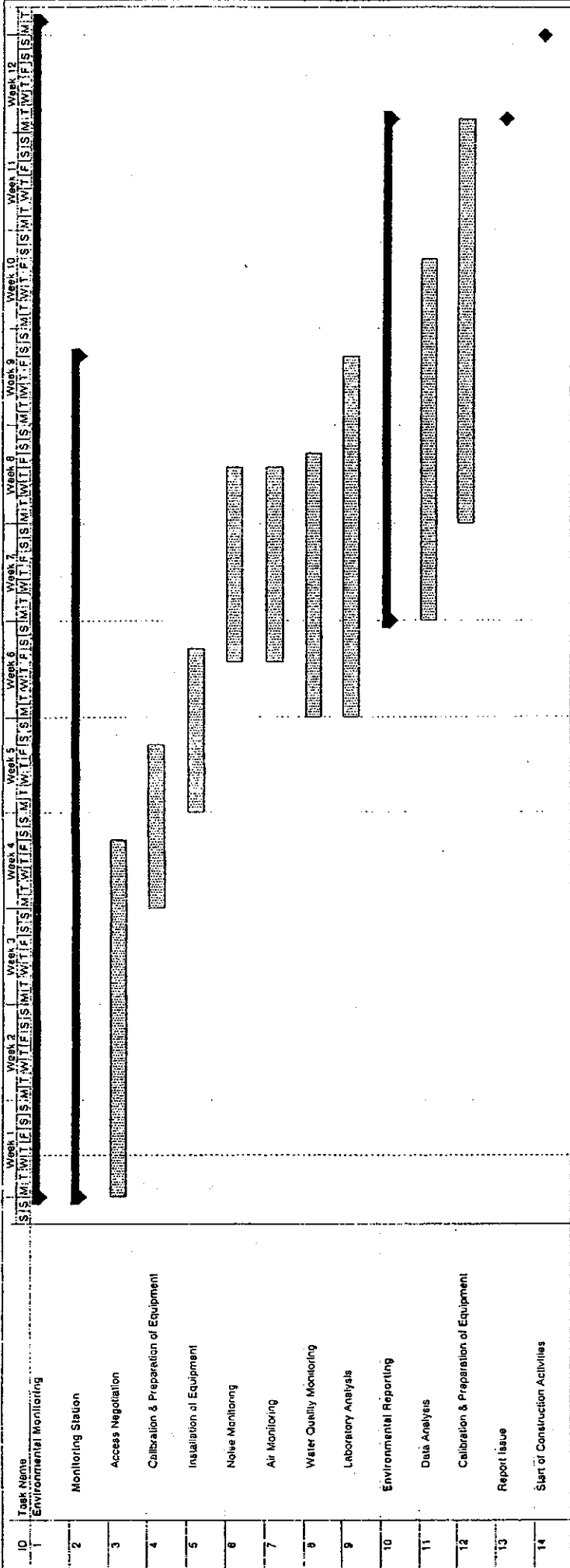
Environmental baseline monitoring for marine water quality was carried out between the period 29 September 2005 to 26 October 2005 at 10 water quality monitoring locations. Marine water quality monitoring was monitored in accordance with the scheduled frequency. Action and Limit Levels for each location were derived based on the baseline monitoring results.

It can be concluded that the baseline monitoring results are representative to the pre-construction period.

6 References

- [1] Mouchel Halcrow Joint Venture. July 2005. Castle Peak Road Improvement between Area 2 and Ka Loon Tsuen, Tusen Wan D& C Consultancy, Supplementary Agreement No. 1 – Remaining Project, Environmental Monitoring & Audit (EM&A) Manual.
- [2] Environmental Protection Department, February 1998. Guidelines for Development Projects in Hong Kong, Environmental Monitoring and Audit.

Appendix A
Construction Program



Task: WEST_EMA
 Date: Thu 12-05-05

Legend:
 Task: [Solid Bar]
 Split: [Dotted Bar]
 Progress: [Hatched Bar]
 Milestone: [Diamond]
 Summary: [Thick Bar]
 Project Summary: [Thick Bar with Arrow]
 External Tasks: [Hatched Bar]
 External Milestone: [Diamond]
 Deadline: [Arrow]

Appendix B

**Baseline environmental
monitoring schedule**

Environmental Baseline Monitoring Schedule

DATE	Sep-05							Oct-05											
	T	W	T	F	S	S	S	T	W	T	F	S	S	M	T	W	T	F	S
<i>Marine Quality Monitoring Location</i>																			
WWA1																			
WRA1																			
WWA2																			
WRA2																			
WWA3																			
WRA3																			
WWFCZ1																			
WFCZR1																			
WWFCZ2																			
WFCZR2																			

 Public Holiday

Appendix C

**Calibration certificates
of marine water quality
equipment**



1412 Honour Ind. Centre
5 Sun Yip St. Chai Wan
Hong Kong

CERTIFICATE OF CALIBRATION
IN - HOUSE

Date Of Issue : _____ Serial No : IC 42a / / EL _____

Item Being Calibrated : Turbidity Standards (Gelex) Date Of Calibration : 16/9/05
 Item Stock No : EL 148 Operator : Szy
 Environment Temp. °C : 24 Procedure No Used : IC 42 (Version 3)

Primary Standards used 20, 100 and 800 NTU Formazin standards prepared fresh.

Ref. Equip.used/ Stock No: G05R002, G06R002, G07R002
Formazin solⁿ = 04698

Gelex Standards	Last assigned value Date: (NTU)	New measured value (NTU)	Agreement %	Requirement %
0 - 10 NTU	6.38	6.24	97.8	±5
10 - 100 NTU	50.0	49.2	98.4	±5
100 - 1000 NTU	431	426	98.8	±5

Comments : *The equipment and Gelex Standards complies / does not comply with the Manufacturer's recommendation.*

Input data checked by : [Signature]

Certified by: [Signature]
Section Manager

Record sheet for calibration of Water Sonde

EL423 / EL424

Item Stock No: ~~EL423~~ Date of Calibration: 18/11/05 Procedure Used: IC 34

Temp.: 23.0 Operator: SZL Signature: SZL

A Temperature Check

Reference Equipment Used: Mercury-in-Glass thermometer Stock No.: C53

Reference Equipment reading: 24.0 °C Sonde reading: 24.0 °C

Reference Equipment reading: 23.6 °C Sonde reading: 23.6 °C

(Note: Difference between the two readings to be <0.5°C.)

id Acoustics		Job #	
Part Ref.	<u>EL423</u>	File #	
Proj. Ref.		Project Ref.	
By:			
Action Required:			
Received - 8 DEC 2005			
Init.	<u>SZL</u>	<u>RL</u>	<u>EL</u>
Action			
Info.	<u>SZL</u>	<u>/</u>	<u>/</u>
Copy			

B DO (% Saturation) Calibration

To be performed in aerated clean sea water before use and checked after use. Difference should be less than 10%.

Laboratory Check

Zero DO check (prepared in clean sea water according to APHA 4500-O G, section 3a.)

probe reading 0.00 %

Post-it Fax Note	7671	Date	<u>8/12</u>	# of pages	<u>3</u>
To	<u>Responsible Officer</u>	From	<u>Dennis Glen</u>		
Co./Dept.		Co.			
Phone #	<u>22153637</u>	Phone #	<u>2975338</u>		
Fax #		Fax #			

C Conductivity (Salinity Calibration)

Standards Used: _____ ppt

Check Standard: _____ ppt Readout Value: _____ ppt

Difference between readout value and actual value should be less than 3%.

D Conductivity Calibration

Standards Used: _____ (mS/cm)

Check Standard: _____ Readout Value: _____ (mS/cm)

Difference between readout value and actual value should be less than 2%.

E Turbidity Calibration

Standards Used : _____ , _____ , _____ (NTU)

Check Standard : _____ Readout Value : _____ (NTU)

Difference between readout value and actual value should be less than 10% .


F pH check

Standards Used : pH 7.00 , pH 10.00

Buffer standard: pH 9.00

QC Check Standard : pH 9.182 . Readout Value : pH 9.18

Difference between readout value and actual value should be +/- 0.03pH unit.

Certified by: 

Date : 14 Sept 05

Appendix D

**Detailed marine water
quality monitoring
results**

West Contract No. HY99/18 - Castle Peak Road Improvements between Sham Tseng and Ka Loon Tsuen
 Marine Water Quality Impact Monitoring (Baseline) - 2005

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L	Average value	DO, % saturation	Salinity, ppt	Turbidity, NTU	Averaged Value	Sa	Sb	Averaged Value		
1	WWA1	S	MID-EBB	29/9/2005	12:22	15.00	28.1	3.93	3.98	60.3	60.6	32.0	7.4	7.5	16.0	20.0		
2	WWA1	M	MID-EBB	29/9/2005			28.0	4.04	3.99	3.99	61.6	60.8	32.0	10.0	10.0	23.0		25.0
3	WWA1	B	MID-EBB	29/9/2005			28.0	3.98	3.92	3.95	60.7	60.6	32.0	5.8	5.9	23.0		20.0
4	WWA2	S	MID-EBB	29/9/2005	12:35	7.90	28.1	3.99	4.02	60.7	60.6	32.0	4.3	4.3	20.0	15.0		
5	WWA2	M	MID-EBB	29/9/2005			28.1	3.97	3.98	3.99	60.6	60.8	32.0	4.7	4.7	17.0		19.0
6	WWA2	B	MID-EBB	29/9/2005			28.1	4.03	4.01	4.02	60.8	61.6	32.0	8.1	8.1	15.0		17.0
7	WWA3	S	MID-EBB	29/9/2005	12:46	11.00	28.1	4.00	3.97	61.3	61.7	32.0	6.1	6.1	24.0	25.0		
8	WWA3	M	MID-EBB	29/9/2005			28.0	3.95	3.97	3.97	60.7	60.5	32.0	10.3	10.4	21.0		28.0
9	WWA3	B	MID-EBB	29/9/2005			28.0	3.98	3.97	3.98	61.2	60.8	32.0	8.7	8.5	23.0		25.0
10	WRA1	S	MID-EBB	29/9/2005	12:11	25.10	28.0	4.19	4.19	64.9	64.0	32.0	5.1	5.1	17.0	19.0		
11	WRA1	M	MID-EBB	29/9/2005			28.0	4.06	4.05	4.12	62.0	61.4	32.0	3.5	3.5	18.0		23.0
12	WRA1	B	MID-EBB	29/9/2005			28.0	4.00	3.97	3.99	61.1	60.6	32.0	5.2	5.1	25.0		20.0
13	WRA2	S	MID-EBB	29/9/2005	11:55	26.30	28.0	4.26	4.15	65.1	63.4	32.0	4.1	4.1	24.0	25.0		
14	WRA2	M	MID-EBB	29/9/2005			28.0	4.04	3.98	4.11	61.7	60.8	32.0	3.5	3.5	18.0		23.0
15	WRA2	B	MID-EBB	29/9/2005			28.0	3.91	3.91	3.91	59.7	59.7	32.1	6.5	6.5	25.0		25.0
16	WRA3	S	MID-EBB	29/9/2005	11:43	25.10	28.1	3.99	3.94	60.9	60.2	32.0	5.0	4.9	19.0	22.0		
17	WRA3	M	MID-EBB	29/9/2005			28.0	3.89	3.89	3.93	59.4	59.4	32.1	5.8	5.7	25.0		21.0
18	WRA3	B	MID-EBB	29/9/2005			28.0	3.88	3.88	3.88	59.2	59.3	32.1	6.0	6.0	23.0		23.0
19	WWFCZ1	S	MID-EBB	29/9/2005	10:55	30.80	28.1	4.21	4.16	65.3	64.4	32.1	4.3	4.3	23.0	22.0		
20	WWFCZ1	M	MID-EBB	29/9/2005			27.9	3.99	3.98	4.09	60.9	60.8	32.1	4.3	4.4	25.0		23.0
21	WWFCZ1	B	MID-EBB	29/9/2005			27.9	3.90	3.96	3.93	60.9	60.4	32.1	3.4	3.4	17.0		23.0
22	WWFCZ2	S	MID-EBB	29/9/2005	11:14	35.50	28.1	4.16	4.07	63.5	62.7	32.1	3.5	3.5	23.0	21.0		
23	WWFCZ2	M	MID-EBB	29/9/2005			28.0	4.00	4.02	4.06	61.1	61.3	32.1	4.6	4.6	17.0		21.0
24	WWFCZ2	B	MID-EBB	29/9/2005			28.0	4.01	3.99	4.00	61.3	60.9	32.1	4.4	4.4	25.0		19.0
25	WFCZR1	S	MID-EBB	29/9/2005	9:49	39.30	28.0	4.14	4.10	63.3	62.6	32.0	4.8	4.8	20.0	27.0		
26	WFCZR1	M	MID-EBB	29/9/2005			28.0	4.11	4.04	4.10	62.0	61.7	32.0	4.3	4.2	22.0		23.0
27	WFCZR1	B	MID-EBB	29/9/2005			28.0	4.00	3.92	3.96	67.2	66.4	32.1	3.5	3.5	21.0		23.0
28	WFCZR2	S	MID-EBB	29/9/2005	11:28	42.10	28.1	4.11	4.15	63.6	62.6	31.9	3.7	3.6	26.0	19.0		
29	WFCZR2	M	MID-EBB	29/9/2005			28.0	4.03	4.01	4.08	61.5	60.3	32.1	4.1	4.1	21.0		19.0
30	WFCZR2	B	MID-EBB	29/9/2005			28.0	3.93	3.96	3.95	60.5	60.4	32.1	3.5	3.5	20.0		22.0
31	WWA1	S	MID-FLOOD	29/9/2005	15:59	16.80	28.2	3.91	3.82	61.6	59.7	32.0	5.4	5.3	19.0	19.0		
32	WWA1	M	MID-FLOOD	29/9/2005			28.1	3.85	3.83	3.85	59.5	59.0	32.0	5.2	5.2	15.0		13.0
33	WWA1	B	MID-FLOOD	29/9/2005			28.1	3.74	3.80	3.77	58.1	58.0	32.1	5.2	5.2	18.0		20.0
34	WWA2	S	MID-FLOOD	29/9/2005	16:13	16.70	28.1	3.97	4.00	62.4	61.1	32.0	5.4	5.4	23.0	28.0		
35	WWA2	M	MID-FLOOD	29/9/2005			28.1	3.95	3.92	3.96	60.2	60.4	32.0	6.9	6.9	23.0		28.0
36	WWA2	B	MID-FLOOD	29/9/2005			28.0	3.77	3.78	3.78	56.7	57.2	32.0	7.6	7.7	25.0		22.0

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L	Average value	DO, % saturation	Salinity, ppt	Turbidity, NTU	Averaged Value	Sa	Sb	Averaged Value		
37	WWA3	S	MID-FLOOD	29/9/2005	16:28	9.70	28.0	3.68	3.70	57.0	56.7	32.1	2.8	2.9	17.0	18.0		
38	WWA3	M	MID-FLOOD	29/9/2005			28.0	3.66	3.61	3.66	55.1	55.3	32.1	2.3	2.3	21.0		21.0
39	WWA3	B	MID-FLOOD	29/9/2005			28.0	3.33	3.11	3.22	45.6	45.6	32.0	1.9	2.0	23.0		29.0
40	WRA1	S	MID-FLOOD	29/9/2005	15:43	26.40	28.1	4.32	4.27	65.2	64.7	32.0	3.4	3.4	28.0	23.0		
41	WRA1	M	MID-FLOOD	29/9/2005			28.0	4.14	4.16	4.22	63.5	63.0	32.1	3.0	3.0	26.0		25.0
42	WRA1	B	MID-FLOOD	29/9/2005			27.9	4.08	4.08	4.08	62.1	62.1	32.1	2.8	2.8	19.0		17.0
43	WRA2	S	MID-FLOOD	29/9/2005	15:24	26.20	28.1	4.10	4.10	63.1	62.7	32.0	3.4	3.4	19.0	14.0		
44	WRA2	M	MID-FLOOD	29/9/2005			28.0	3.93	3.94	4.02	61.0	60.0	32.2	2.9	2.9	23.0		28.0
45	WRA2	B	MID-FLOOD	29/9/2005			27.9	3.84	3.85	3.85	58.6	58.6	31.5	2.5	2.6	16.0		23.0
46	WRA3	S	MID-FLOOD	29/9/2005	15:10	26.00	28.0	4.01	3.98	61.4	61.7	32.0	4.0	3.9	18.0	21.0		
47	WRA3	M	MID-FLOOD	29/9/2005			27.9	4.04	4.00	4.01	61.5	61.6	32.1	2.3	3.3	25.0		16.0
48	WRA3	B	MID-FLOOD	29/9/2005			27.9	3.89	3.89	3.89	59.3	59.6	32.0	2.9	3.0	27.0		24.0
49	WWFCZ1	S	MID-FLOOD	29/9/2005	14:25	27.80	28.4	4.62	4.66	71.0	70.5	31.8	2.6	2.5	29.0	25.0		
50	WWFCZ1	M	MID-FLOOD	29/9/2005			28.0	4.33	4.30	4.48	65.9	66.1	32.0	2.3	2.3	26.0		21.0
51	WWFCZ1	B	MID-FLOOD	29/9/2005			28.0	4.26	4.25	4.26	64.8	64.7	32.0	2.0	2.0	22.0		19.0
52	WWFCZ2	S	MID-FLOOD	29/9/2005	14:40	35.10	28.2	4.45	4.44	68.4	68.4	31.9	2.5	2.5	21.0	21.0		
53	WWFCZ2	M	MID-FLOOD	29/9/2005			28.0	4.25	4.20	4.34	65.1	64.6	32.0	2.4	2.4	20.0		20.0
54	WWFCZ2	B	MID-FLOOD	29/9/2005			27.9	4.10	4.13	4.12	62.4	61.8	32.0	2.2	2.3	27.0		21.0
55	WFCZR1	S	MID-FLOOD	29/9/2005	14:10	34.40	28.1	4.36	4.30	66.2	65.9	32.0	2.2	2.2	25.0	25.0		
56	WFCZR1	M	MID-FLOOD	29/9/2005			28.1	4.33	4.30	4.32	67.7	66.4	32.0	2.2	2.3	26.0		26.0
57	WFCZR1	B	MID-FLOOD	29/9/2005			28.0	4.34	4.27	4.31	65.1	65.7	32.0	2.4	2.5	22.0		24.0
58	WFCZR2	S	MID-FLOOD	29/9/2005	14:58	32.80	28.1	4.59	4.54	70.1	69.4	32.0	2.2	2.2	24.0	23.0		
59	WFCZR2	M	MID-FLOOD	29/9/2005			28.0	4.46	4.43	4.51	68.1	67.6	32.0	2.4	2.4	28.0		21.0
60	WFCZR2	B	MID-FLOOD	29/9/2005			27.9	4.27	4.26	4.27	65.4	65.2	32.0	4.6	4.7	26.0		26.0
61	WWA1	S	MID-EBB	1/10/2005	15:16	16.70	28.8	4.55	4.52	69.6	69.1	29.5	4.8	4.8	29.0	25.0		
62	WWA1	M	MID-EBB	1/10/2005			28.8	4.55	4.53	4.54	68.5	68.1	29.5	3.1	3.1	20.0		21.0
63	WWA1	B	MID-EBB	1/10/2005			28.4	4.28	4.28	4.28	65.2	64.9	30.5	3.1	3.1	29.0		26.0
64	WWA2	S	MID-EBB	1/10/2005	15:33	18.20	28.9	4.59	4.54	69.8	68.8	29.1	5.9	5.8	33.0	28.0		
65	WWA2	M	MID-EBB	1/10/2005			28.8	4.46	4.42	4.50	69.3	67.4	29.6	5.1	5.1	33.0		8.0
66	WWA2	B	MID-EBB	1/10/2005			28.4	4.18	4.17	4.18	64.3	63.5	30.6	5.4	5.3	11.0		12.0
67	WWA3	S	MID-EBB	1/10/2005	15:48	9.80	28.8	4.47	4.46	68.8	68.3	29.4	4.9	4.9	22.0	23.0		
68	WWA3	M	MID-EBB	1/10/2005			28.5	4.24	4.21	4.35	65.8	64.9	30.2	4.6	4.7	29.0		28.0
69	WWA3	B	MID-EBB	1/10/2005			28.4	5.10	4.14	4.62	64.1	63.1	30.2	4.9	4.9	23.0		27.0
70	WRA1	S	MID-EBB	1/10/2005	14:56	24.00	28.9	4.49	4.56	69.5	68.5	29.2	4.0	4.1	22.0	24.0		
71	WRA1	M	MID-EBB	1/10/2005			28.4	4.25	4.29	4.40	64.8	65.3	30.3	4.5	4.6	20.0		24.0
72	WRA1	B	MID-EBB	1/10/2005			28.4	4.15	4.18	4.17	63.4	63.2	30.6	5.8	5.9	21.0		20.0
73	WRA2	S	MID-EBB	1/10/2005	14:36	25.00	28.8	4.60	4.58	71.4	70.2	29.2	3.6	3.6	26.0	20.0		
74	WRA2	M	MID-EBB	1/10/2005			28.7	4.49	4.48	4.54	67.1	67.8	29.6	4.0	4.1	23.0		19.0
75	WRA2	B	MID-EBB	1/10/2005			28.4	4.13	4.19	4.16	63.5	63.7	30.3	5.2	5.2	23.0		20.0

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L	Average value	DO, % saturation	Salinity, ppt	Turbidity, NTU	Averaged Value	Sa	Sb	Averaged Value			
76	WRA3	S	MID-EBB	1/10/2005	14:21	24.50	28.8	4.58	4.68	4.46	70.6	70.0	28.8	6.0	5.9	4.4	13.0	14.0	19.0
77	WRA3	M	MID-EBB	1/10/2005			28.5	4.28	4.30		65.6	65.2	30.2	4.1	4.1		22.0	26.0	
78	WRA3	B	MID-EBB	1/10/2005			28.2	4.05	4.04		61.6	61.3	31.0	3.1	3.1		21.0	18.0	
79	WWFCZ1	S	MID-EBB	1/10/2005			28.9	4.75	4.68		71.4	72.8	28.4	2.1	2.1		25.0	22.0	
80	WWFCZ1	M	MID-EBB	1/10/2005	13:24	31.80	28.4	4.45	4.44	4.58	68.4	67.7	30.2	2.2	2.2	2.2	22.0	22.0	23.0
81	WWFCZ1	B	MID-EBB	1/10/2005			28.5	4.30	4.36	67.3	67.7	29.8	2.1	2.2	23.0		24.0		
82	WWFCZ2	S	MID-EBB	1/10/2005			28.6	4.60	4.59	68.5	68.5	29.1	3.1	3.1	22.0		18.0		
83	WWFCZ2	M	MID-EBB	1/10/2005			28.6	4.46	4.40	67.9	68.1	29.6	3.1	3.2	17.0		17.0		
84	WWFCZ2	B	MID-EBB	1/10/2005	13:38	36.00	28.3	4.15	4.12	4.14	63.2	63.0	30.9	4.1	4.2	3.5	20.0	24.0	19.7
85	WFCZR1	S	MID-EBB	1/10/2005			28.8	4.64	4.68	70.8	71.3	29.5	6.1	6.0	16.0		16.0		
86	WFCZR1	M	MID-EBB	1/10/2005			28.4	4.02	4.00	65.3	63.9	30.8	5.8	5.8	17.0		17.0		
87	WFCZR1	B	MID-EBB	1/10/2005			28.2	3.84	3.82	58.5	59.0	31.5	5.7	5.7	19.0		18.0		
88	WFCZR2	S	MID-EBB	1/10/2005	13:00	38.00	28.9	4.80	4.78	3.83	72.4	72.6	27.9	3.3	3.3	5.9	23.0	23.0	17.2
89	WFCZR2	M	MID-EBB	1/10/2005			28.8	4.79	4.77		71.6	72.1	28.4	3.8	3.6		22.0	19.0	
90	WFCZR2	B	MID-EBB	1/10/2005			28.6	4.60	4.54		79.7	69.0	29.4	3.1	3.2		18.0	25.0	
91	WWA1	S	MID-FLOOD	1/10/2005			28.6	3.89	3.82		60.7	60.5	31.7	7.1	7.1		11.0	12.0	
92	WWA1	M	MID-FLOOD	1/10/2005	10:04	13.80	28.2	3.86	3.85	3.86	59.0	58.9	31.7	6.7	6.7	6.7	19.0	25.0	16.7
93	WWA1	B	MID-FLOOD	1/10/2005			28.2	3.81	3.82	58.4	58.5	31.7	6.4	6.4	15.0		18.0		
94	WWA2	S	MID-FLOOD	1/10/2005			28.3	3.87	3.85	58.4	59.2	31.6	7.7	7.7	27.0		23.0		
95	WWA2	M	MID-FLOOD	1/10/2005			26.2	3.78	3.77	58.8	58.3	31.8	7.5	7.5	28.0		24.0		
96	WWA2	B	MID-FLOOD	1/10/2005	10:19	15.30	28.2	3.80	3.83	3.82	58.4	58.0	31.7	6.8	6.9	7.4	20.0	20.0	23.7
97	WWA3	S	MID-FLOOD	1/10/2005			28.3	3.92	3.87	60.3	59.4	31.7	11.9	11.2	22.0		26.0		
98	WWA3	M	MID-FLOOD	1/10/2005			28.2	3.86	3.84	59.3	58.6	31.7	11.7	11.3	25.0		23.0		
99	WWA3	B	MID-FLOOD	1/10/2005			28.3	3.85	3.82	59.3	59.0	31.7	10.4	10.5	24.0		23.0		
100	WRA1	S	MID-FLOOD	1/10/2005	9:48	24.60	28.1	4.16	4.13	4.01	65.0	63.1	31.5	11.6	11.3	7.6	20.0	19.0	21.5
101	WRA1	M	MID-FLOOD	1/10/2005			28.2	3.88	3.87		59.1	59.3	31.7	5.4	5.3		22.0	24.0	
102	WRA1	B	MID-FLOOD	1/10/2005			28.2	3.85	3.81		58.2	58.1	31.8	6.1	6.1		21.0	23.0	
103	WRA2	S	MID-FLOOD	1/10/2005			28.3	3.94	3.88		60.5	59.4	31.3	8.4	8.4		24.0	22.0	
104	WRA2	M	MID-FLOOD	1/10/2005	9:36	26.60	28.2	3.87	3.85	3.89	58.6	58.8	31.7	7.4	7.5	7.3	19.0	25.0	21.2
105	WRA2	B	MID-FLOOD	1/10/2005			28.2	3.84	3.83	58.4	58.1	31.7	6.0	6.0	20.0		17.0		
106	WRA3	S	MID-FLOOD	1/10/2005			28.2	3.99	3.98	60.6	61.0	31.4	6.8	6.8	24.0		25.0		
107	WRA3	M	MID-FLOOD	1/10/2005			28.2	3.87	3.86	59.0	59.1	31.7	6.3	6.3	23.0		24.0		
108	WRA3	B	MID-FLOOD	1/10/2005	9:17	33.90	28.2	3.81	3.80	3.81	58.2	58.3	31.7	4.1	4.1	5.7	25.0	23.0	24.0
109	WWFCZ1	S	MID-FLOOD	1/10/2005			28.3	4.09	4.10	63.4	63.0	31.2	4.0	4.1	28.0		28.0		
110	WWFCZ1	M	MID-FLOOD	1/10/2005			28.3	4.02	4.06	61.4	61.6	31.2	3.7	3.7	27.0		19.0		
111	WWFCZ1	B	MID-FLOOD	1/10/2005			28.2	3.99	3.96	59.8	59.4	31.5	3.2	3.3	22.0		19.0		
112	WWFCZ2	S	MID-FLOOD	1/10/2005	8:20	32.40	28.3	4.05	4.11	4.07	63.4	62.6	31.1	3.4	3.5	3.6	19.0	26.0	23.8
113	WWFCZ2	M	MID-FLOOD	1/10/2005			28.2	3.95	3.91		60.4	61.0	31.5	3.0	3.1		20.0	19.0	
114	WWFCZ2	B	MID-FLOOD	1/10/2005			28.2	3.88	3.86		58.9	59.3	31.7	2.8	3.0		21.0	20.0	

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L	Average value	DO, % saturation	Salinity, ppt	Turbidity, NTU	Averaged Value	Sa	Sb	Averaged Value			
115	WFCZR1	S	MID-FLOOD	1/10/2005	8:00	35.50	28.2	3.86	3.92	3.88	59.1	59.4	31.6	1.4	1.5	1.7	18.0	18.0	18.5
116	WFCZR1	M	MID-FLOOD	1/10/2005			28.2	3.87	3.86		59.1	59.0	31.7	1.6	1.5		21.0	19.0	
117	WFCZR1	B	MID-FLOOD	1/10/2005			28.2	3.78	3.78		57.6	58.0	32.0	2.0	2.1		17.0	18.0	
118	WFCZR2	S	MID-FLOOD	1/10/2005			28.3	4.15	4.17		63.8	63.0	30.7	1.7	1.7		27.0	22.0	
119	WFCZR2	M	MID-FLOOD	1/10/2005	8:50	37.90	28.2	4.05	4.01	4.10	62.1	61.2	31.1	2.7	2.7	2.2	18.0	17.0	21.3
120	WFCZR2	B	MID-FLOOD	1/10/2005			28.2	4.04	4.02	62.1	61.5	31.1	2.1	2.1	18.0		26.0		
121	WWA1	S	MID-EBB	3/10/2005			28.8	4.32	4.36	68.5	68.0	28.7	7.4	7.3	16.0		23.0		
122	WWA1	M	MID-EBB	3/10/2005			28.6	4.58	4.61	4.47	67.2	67.9	29.4	7.1	7.2		26.0	21.0	
123	WWA1	B	MID-EBB	3/10/2005	15:08	15.30	28.4	4.76	4.75	4.76	64.5	64.8	29.5	7.1	7.1	7.2	23.0	26.0	22.5
124	WWA2	S	MID-EBB	3/10/2005			28.8	4.56	4.50	66.2	66.8	29.1	4.6	4.6	24.0		19.0		
125	WWA2	M	MID-EBB	3/10/2005			28.6	4.49	4.48	4.51	67.9	67.5	29.4	4.6	4.7		18.0	22.0	
126	WWA2	B	MID-EBB	3/10/2005			28.4	4.34	4.39	4.37	68.3	68.5	29.6	4.2	4.2		4.5	25.0	
127	WWA3	S	MID-EBB	3/10/2005	15:59	8.20	28.8	4.46	4.38	4.35	67.3	68.5	29.2	5.8	5.8	5.6	21.0	18.0	21.8
128	WWA3	M	MID-EBB	3/10/2005			28.6	4.34	4.21		66.7	65.3	29.4	5.5	5.5		24.0	26.0	
129	WWA3	B	MID-EBB	3/10/2005			28.3	4.26	4.36		64.9	66.5	29.2	5.4	5.5		18.0	24.0	
130	WRA1	S	MID-EBB	3/10/2005			28.9	4.10	4.11		67.2	67.0	29.0	6.2	6.3		20.0	20.0	
131	WRA1	M	MID-EBB	3/10/2005	14:49	22.70	28.7	4.23	4.24	4.17	62.9	62.4	29.2	6.2	6.1	6.1	22.0	19.0	21.0
132	WRA1	B	MID-EBB	3/10/2005			28.7	4.00	4.10	60.1	60.6	29.8	6.1	6.1	26.0		19.0		
133	WRA2	S	MID-EBB	3/10/2005			29.1	4.22	4.36	69.7	69.8	28.7	7.9	7.9	21.0		20.0		
134	WRA2	M	MID-EBB	3/10/2005			29.0	4.44	4.44	4.37	66.8	66.4	30.0	7.5	7.5		20.0	22.0	
135	WRA2	B	MID-EBB	3/10/2005	14:33	25.80	29.7	4.34	4.35	4.35	65.9	66.3	28.4	7.6	7.6	7.7	16.0	17.0	19.3
136	WRA3	S	MID-EBB	3/10/2005			28.9	4.52	4.55	68.3	67.2	29.1	3.7	3.8	21.0		19.0		
137	WRA3	M	MID-EBB	3/10/2005			28.8	4.21	4.18	4.37	66.8	67.6	29.6	3.5	3.5		17.0	19.0	
138	WRA3	B	MID-EBB	3/10/2005			28.5	3.81	3.82	3.82	66.9	65.1	30.1	3.5	3.5		3.6	19.0	
139	WWFCZ1	S	MID-EBB	3/10/2005	13:26	28.20	29.0	4.56	4.52	4.35	69.4	68.5	28.3	4.4	4.5	4.3	25.0	21.0	20.0
140	WWFCZ1	M	MID-EBB	3/10/2005			28.8	4.12	4.18		65.1	66.8	28.6	4.3	4.3		15.0	15.0	
141	WWFCZ1	B	MID-EBB	3/10/2005			28.6	4.00	4.01		67.4	67.2	28.7	4.1	4.1		23.0	21.0	
142	WWFCZ2	S	MID-EBB	3/10/2005			28.8	4.22	4.28		64.6	65.0	28.3	4.6	4.6		22.0	23.0	
143	WWFCZ2	M	MID-EBB	3/10/2005	13:39	35.50	28.7	4.14	4.10	4.19	68.1	68.3	28.5	4.3	4.3	4.3	25.0	24.0	23.0
144	WWFCZ2	B	MID-EBB	3/10/2005			28.6	4.36	4.33	66.6	67.2	28.9	4.0	4.0	4.3		21.0	23.0	
145	WFCZR1	S	MID-EBB	3/10/2005			28.8	3.98	3.90	59.0	60.4	30.0	5.7	5.6	26.0		28.0		
146	WFCZR1	M	MID-EBB	3/10/2005			28.8	3.84	3.84	3.89	60.5	60.8	30.3	5.4	5.5		27.0	24.0	
147	WFCZR1	B	MID-EBB	3/10/2005	13:00	36.00	28.5	3.60	3.49	3.55	60.0	60.2	30.2	5.1	5.2	5.4	17.0	18.0	23.3
148	WFCZR2	S	MID-EBB	3/10/2005			28.4	4.32	4.39	70.0	69.1	28.7	4.3	4.3	19.0		22.0		
149	WFCZR2	M	MID-EBB	3/10/2005			28.3	4.22	4.20	4.28	68.3	68.6	28.9	4.5	4.5		22.0	17.0	
150	WFCZR2	B	MID-EBB	3/10/2005			28.2	4.04	4.13	4.09	64.9	64.3	29.0	4.6	4.7		4.5	23.0	
151	WWA1	S	MID-FLOOD	3/10/2005	11:12	17.80	29.1	4.46	4.39	4.44	67.3	67.5	28.9	7.4	7.4	7.3	19.0	27.0	21.2
152	WWA1	M	MID-FLOOD	3/10/2005			29.1	4.48	4.44		67.1	66.7	29.1	7.4	7.4		28.0	18.0	
153	WWA1	B	MID-FLOOD	3/10/2005			29.1	4.27	4.26		65.8	65.5	29.3	7.1	7.2		16.0	19.0	

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L	Average value	DO, % saturation	Salinity ppt	Turbidity NTU	Averaged Value	Sa	Sb	Averaged Value		
154	WWA2	S	MID-FLOOD	3/10/2005	11:27	18.80	29.2	4.44	4.43	67.8	67.9	29.0	4.9	5.0	17.0	19.0	23.5	
155	WWA2	M	MID-FLOOD	3/10/2005			29.1	4.25	4.28	4.35	65.6	66.2	29.4	4.8	4.8	20.0		22.0
156	WWA2	B	MID-FLOOD	3/10/2005			29.1	4.27	4.15	4.21	65.6	65.3	29.3	4.3	4.3	28.0		35.0
157	WWA3	S	MID-FLOOD	3/10/2005	11:36	8.60	29.2	4.35	4.36	66.9	66.7	29.3	5.7	5.7	23.0	24.0	21.5	
158	WWA3	M	MID-FLOOD	3/10/2005			29.1	4.34	4.29	4.34	66.2	66.0	29.5	5.7	5.7	17.0		21.0
159	WWA3	B	MID-FLOOD	3/10/2005			29.0	4.12	4.32	4.22	67.8	64.9	28.3	5.3	5.5	25.0		19.0
160	WRA1	S	MID-FLOOD	3/10/2005	10:52	23.80	29.1	4.29	4.30	65.6	66.8	28.9	6.5	6.4	25.0	17.0	26.5	
161	WRA1	M	MID-FLOOD	3/10/2005			28.9	4.15	4.16	4.23	63.7	63.6	29.3	6.6	6.6	20.0		51.0
162	WRA1	B	MID-FLOOD	3/10/2005			28.9	3.85	3.91	3.88	58.8	59.6	29.7	6.2	6.2	24.0		22.0
163	WRA2	S	MID-FLOOD	3/10/2005	10:38	26.60	29.2	4.40	4.42	67.7	67.5	28.8	7.5	7.5	23.0	24.0	24.3	
164	WRA2	M	MID-FLOOD	3/10/2005			29.1	4.39	4.41	4.41	68.0	67.5	29.0	7.5	7.6	29.0		21.0
165	WRA2	B	MID-FLOOD	3/10/2005			29.0	4.02	4.05	4.04	63.1	62.8	29.5	7.9	7.8	25.0		24.0
166	WRA3	S	MID-FLOOD	3/10/2005	10:23	23.60	29.1	4.37	4.30	66.9	65.7	29.1	3.7	3.3	18.0	15.0	16.8	
167	WRA3	M	MID-FLOOD	3/10/2005			28.8	3.85	3.86	4.10	59.0	58.1	29.8	3.4	3.4	19.0		16.0
168	WRA3	B	MID-FLOOD	3/10/2005			28.7	3.65	3.64	3.65	55.7	55.6	30.3	3.2	3.3	17.0		16.0
169	WWFCZ1	S	MID-FLOOD	3/10/2005	9:46	36.40	29.2	4.44	4.47	68.5	68.4	28.9	4.0	3.9	23.0	22.0	22.0	
170	WWFCZ1	M	MID-FLOOD	3/10/2005			28.9	4.07	4.08	4.27	63.5	62.2	29.4	4.2	4.2	18.0		20.0
171	WWFCZ1	B	MID-FLOOD	3/10/2005			28.9	3.90	3.88	3.89	59.8	59.8	29.5	4.0	4.1	24.0		25.0
172	WWFCZ2	S	MID-FLOOD	3/10/2005	10:10	29.10	29.4	4.59	4.64	70.1	71.3	28.2	4.4	4.4	21.0	19.0	21.2	
173	WWFCZ2	M	MID-FLOOD	3/10/2005			29.1	4.58	4.38	4.55	67.3	66.5	28.5	4.1	4.1	19.0		20.0
174	WWFCZ2	B	MID-FLOOD	3/10/2005			30.0	4.11	4.14	4.13	63.7	63.1	28.8	4.1	4.2	27.0		21.0
175	WFCZR1	S	MID-FLOOD	3/10/2005	9:00	37.50	28.8	3.93	3.91	59.9	59.7	30.1	5.7	5.7	26.0	26.0	22.7	
176	WFCZR1	M	MID-FLOOD	3/10/2005			28.8	3.90	3.87	3.90	59.8	59.3	30.2	5.5	5.5	25.0		27.0
177	WFCZR1	B	MID-FLOOD	3/10/2005			28.5	3.69	3.64	3.67	55.8	56.5	31.2	5.4	5.5	14.0		18.0
178	WFCZR2	S	MID-FLOOD	3/10/2005	9:28	28.80	29.2	4.64	4.64	70.5	70.9	28.8	4.0	4.1	22.0	17.0	21.5	
179	WFCZR2	M	MID-FLOOD	3/10/2005			29.6	4.23	4.26	4.44	60.0	65.2	29.0	4.4	4.2	20.0		26.0
180	WFCZR2	B	MID-FLOOD	3/10/2005			29.9	4.11	4.03	4.07	62.5	62.3	29.4	4.1	4.2	20.0		24.0
181	WWA1	S	MID-EBB	4/10/2005	16:12	16.40	29.2	4.42	4.42	68.6	67.7	29.5	5.8	5.7	5.3	6.0	6.6	
182	WWA1	M	MID-EBB	4/10/2005			29.0	4.13	4.14	4.28	63.3	63.5	29.9	5.1	5.1	8.0		5.3
183	WWA1	B	MID-EBB	4/10/2005			28.9	3.94	3.80	3.87	51.2	51.0	30.0	4.9	4.8	6.0		9.0
184	WWA2	S	MID-EBB	4/10/2005	15:38	12.00	29.2	4.65	4.73	72.6	72.1	29.4	7.3	7.3	9.7	14.0	11.3	
185	WWA2	M	MID-EBB	4/10/2005			29.1	4.45	4.48	4.58	68.7	68.9	29.7	6.9	6.9	17.0		11.0
186	WWA2	B	MID-EBB	4/10/2005			28.6	3.82	3.84	3.83	58.9	57.7	31.0	6.5	6.5	7.0		9.3
187	WWA3	S	MID-EBB	4/10/2005	15:20	14.70	29.2	4.82	4.78	72.9	72.8	29.4	4.8	4.8	11.0	15.0	13.8	
188	WWA3	M	MID-EBB	4/10/2005			29.2	4.75	4.65	4.75	72.8	71.6	29.5	4.4	4.3	14.0		16.0
189	WWA3	B	MID-EBB	4/10/2005			29.2	4.68	4.57	4.63	71.6	70.2	29.6	3.2	3.1	11.0		16.0
190	WRA1	S	MID-EBB	4/10/2005	15:03	24.00	29.4	5.32	5.12	79.7	79.0	29.3	4.8	4.8	7.0	11.0	11.2	
191	WRA1	M	MID-EBB	4/10/2005			29.2	4.82	4.68	4.99	72.8	71.7	29.5	4.7	4.6	11.0		16.0
192	WRA1	B	MID-EBB	4/10/2005			29.2	4.65	4.64	4.65	71.9	71.4	29.5	4.6	4.6	11.0		11.0

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L	Average value	DO, % saturation	Salinity ppt	Turbidity NTU	Averaged Value	Sa	Sb	Averaged Value		
193	WRA2	S	MID-EBB	4/10/2005	14:47	26.20	29.2	4.75	4.75	72.7	72.9	29.4	10.8	10.8	10.0	14.0	9.3	
194	WRA2	M	MID-EBB	4/10/2005			29.0	4.36	4.44	4.58	68.1	67.4	29.9	10.1	10.1	9.3		7.0
195	WRA2	B	MID-EBB	4/10/2005			29.0	4.35	4.29	4.32	65.8	66.8	30.0	9.8	9.8	7.7		8.0
196	WRA3	S	MID-EBB	4/10/2005	14:27	22.80	29.2	4.89	4.76	73.9	73.9	29.3	7.8	7.9	5.3	4.3	7.9	
197	WRA3	M	MID-EBB	4/10/2005			29.0	4.52	4.38	4.64	66.1	67.3	29.9	7.7	7.6	7.3		9.3
198	WRA3	B	MID-EBB	4/10/2005			28.9	4.39	4.21	4.30	66.1	65.0	30.3	7.1	7.1	11.0		10.0
199	WWFCZ1	S	MID-EBB	4/10/2005	13:25	33.90	29.4	4.74	4.76	72.3	73.1	29.4	9.4	9.3	17.0	10.0	10.9	
200	WWFCZ1	M	MID-EBB	4/10/2005			28.8	4.40	4.16	4.52	62.9	62.8	30.2	9.2	9.3	11.0		8.7
201	WWFCZ1	B	MID-EBB	4/10/2005			29.0	4.17	4.15	4.16	64.3	64.1	30.0	8.9	8.9	9.7		9.0
202	WWFCZ2	S	MID-EBB	4/10/2005	13:45	37.00	29.5	5.17	5.23	80.0	79.8	29.1	4.6	4.5	12.0	15.0	13.5	
203	WWFCZ2	M	MID-EBB	4/10/2005			29.1	5.00	4.63	5.01	73.8	70.9	29.4	4.1	4.1	14.0		15.0
204	WWFCZ2	B	MID-EBB	4/10/2005			29.1	4.41	4.44	4.43	68.0	67.5	29.6	4.0	3.9	12.0		13.0
205	WFCZR1	S	MID-EBB	4/10/2005	13:00	38.60	29.1	4.36	4.43	69.5	68.0	30.2	5.3	5.4	7.0	9.3	17.6	
206	WFCZR1	M	MID-EBB	4/10/2005			28.8	4.05	4.12	4.24	62.1	62.2	30.4	5.5	5.5	13.0		26.0
207	WFCZR1	B	MID-EBB	4/10/2005			28.8	4.00	4.02	4.01	61.8	62.0	30.5	4.4	4.2	27.0		23.0
208	WFCZR2	S	MID-EBB	4/10/2005	14:13	32.00	29.7	5.46	5.35	84.3	84.2	29.1	4.9	4.9	28.0	25.0	23.8	
209	WFCZR2	M	MID-EBB	4/10/2005			29.2	4.53	4.57	4.98	70.7	69.7	29.7	4.8	4.8	26.0		25.0
210	WFCZR2	B	MID-EBB	4/10/2005			29.1	4.38	4.44	4.41	67.1	68.2	29.7	4.1	4.2	21.0		18.0
211	WWA1	S	MID-FLOOD	4/10/2005	11:45	14.80	28.5	3.68	3.49	53.2	53.6	31.5	5.4	5.3	9.0	9.3	10.5	
212	WWA1	M	MID-FLOOD	4/10/2005			28.4	3.54	3.61	3.58	54.3	54.1	31.6	5.0	5.0	13.0		10.0
213	WWA1	B	MID-FLOOD	4/10/2005			28.4	3.50	3.46	3.48	53.7	53.1	31.6	4.9	4.9	12.0		9.7
214	WWA2	S	MID-FLOOD	4/10/2005	11:30	10.40	28.6	3.48	3.50	53.4	53.5	31.5	8.8	8.2	28.0	23.0	21.7	
215	WWA2	M	MID-FLOOD	4/10/2005			28.4	3.45	3.46	3.47	52.9	53.1	31.7	8.2	8.2	23.0		17.0
216	WWA2	B	MID-FLOOD	4/10/2005			28.4	3.37	3.41	3.39	51.8	52.3	31.8	8.1	8.1	18.0		21.0
217	WWA3	S	MID-FLOOD	4/10/2005	11:15	12.30	28.6	3.51	3.50	55.9	55.1	31.5	4.3	4.2	9.0	13.0	14.1	
218	WWA3	M	MID-FLOOD	4/10/2005			28.4	3.52	3.51	3.51	53.9	53.0	31.5	4.0	3.9	9.3		12.0
219	WWA3	B	MID-FLOOD	4/10/2005			28.5	3.55	3.53	3.54	53.8	53.5	31.6	3.4	3.5	23.0		18.0
220	WRA1	S	MID-FLOOD	4/10/2005	10:59	23.60	28.5	3.52	3.47	53.1	54.0	31.5	3.5	3.5	18.0	16.0	15.5	
221	WRA1	M	MID-FLOOD	4/10/2005			28.4	3.49	3.50	3.50	53.5	53.0	31.5	3.5	3.5	15.0		13.0
222	WRA1	B	MID-FLOOD	4/10/2005			28.4	3.52	3.51	3.52	53.9	53.8	31.8	3.4	3.5	18.0		13.0

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L	Average value	DO, % saturation	Salinity, ppt	Turbidity, NTU	Averaged Value	Sa	Sb	Averaged Value	
232	WWFCZ2	S	MID-FLOOD	4/10/2005	9:46	36.70	28.5	3.51	3.50	3.54	55.8	54.6	31.3	4.9	4.9	12.0	17.0
233	WWFCZ2	M	MID-FLOOD	4/10/2005			28.4	3.55	3.59		53.6	54.3	31.3	4.4	4.5	22.0	18.0
234	WWFCZ2	B	MID-FLOOD	4/10/2005			28.4	3.48	3.52		54.2	54.2	31.4	4.1	4.1	16.0	17.0
235	WFCZR1	S	MID-FLOOD	4/10/2005	9:00	37.10	28.4	3.45	3.44	3.49	52.9	52.8	31.9	5.6	5.5	23.0	23.0
236	WFCZR1	M	MID-FLOOD	4/10/2005			28.3	3.55	3.52		55.2	54.1	32.0	5.1	5.2	14.0	20.0
237	WFCZR1	B	MID-FLOOD	4/10/2005			28.3	3.53	3.54		53.3	54.2	32.0	4.6	4.6	29.0	30.0
238	WFCZR2	S	MID-FLOOD	4/10/2005	10:07	30.20	28.6	3.62	3.52	3.94	56.0	54.2	30.6	5.3	5.4	16.0	22.0
239	WFCZR2	M	MID-FLOOD	4/10/2005			28.5	4.31	4.30		54.7	54.5	30.9	4.9	4.9	23.0	31.0
240	WFCZR2	B	MID-FLOOD	4/10/2005			28.5	3.53	3.54		54.7	54.1	31.2	4.6	4.8	35.0	31.0
241	WWA1	S	MID-EBB	6/10/2005	15:26	11.90	28.5	3.61	3.59	3.54	55.1	54.9	31.5	4.2	4.1	23.0	22.0
242	WWA1	M	MID-EBB	6/10/2005			28.4	3.47	3.48		53.3	53.4	31.6	3.9	4.0	15.0	21.0
243	WWA1	B	MID-EBB	6/10/2005			28.4	3.48	3.47		53.2	53.4	31.6	4.0	3.7	21.0	16.0
244	WWA2	S	MID-EBB	6/10/2005	15:39	11.20	28.5	3.58	3.60	3.56	59.6	55.1	31.4	5.4	5.4	20.0	25.0
245	WWA2	M	MID-EBB	6/10/2005			28.5	3.57	3.50		59.5	53.7	31.5	5.1	5.1	22.0	21.0
246	WWA2	B	MID-EBB	6/10/2005			28.4	3.48	3.47		53.3	53.2	31.5	4.3	4.4	21.0	18.0
247	WWA3	S	MID-EBB	6/10/2005	15:55	13.10	28.5	3.49	3.42	3.46	52.7	52.4	31.5	3.5	3.5	28.0	21.0
248	WWA3	M	MID-EBB	6/10/2005			28.4	3.52	3.42		54.0	52.4	31.6	3.3	3.4	19.0	19.0
249	WWA3	B	MID-EBB	6/10/2005			28.4	4.07	3.38		52.7	51.9	31.7	3.0	3.0	20.0	19.0
250	WRA1	S	MID-EBB	6/10/2005	15:06	25.60	28.6	3.85	3.72	3.83	57.3	56.5	31.1	5.3	5.3	29.0	22.0
251	WRA1	M	MID-EBB	6/10/2005			28.5	4.13	3.63		55.6	55.0	31.3	5.1	5.1	15.0	11.0
252	WRA1	B	MID-EBB	6/10/2005			28.4	3.60	3.58		54.9	54.2	31.5	4.8	4.7	18.0	20.0
253	WRA2	S	MID-EBB	6/10/2005	14:48	26.20	28.5	3.68	3.47	3.58	53.2	54.5	31.2	6.1	6.1	19.0	22.0
254	WRA2	M	MID-EBB	6/10/2005			28.4	3.61	3.55		54.9	54.3	31.5	5.9	5.9	16.0	21.0
255	WRA2	B	MID-EBB	6/10/2005			28.4	3.50	3.48		56.6	53.0	31.7	5.3	5.3	21.0	22.0
256	WRA3	S	MID-EBB	6/10/2005	14:36	27.80	28.5	3.78	3.79	3.73	58.2	58.1	31.3	7.6	7.5	28.0	33.0
257	WRA3	M	MID-EBB	6/10/2005			28.5	3.69	3.66		56.0	55.7	31.4	7.6	7.5	21.0	17.0
258	WRA3	B	MID-EBB	6/10/2005			28.4	3.70	3.59		56.8	56.8	31.4	7.1	7.2	19.0	20.0
259	WWFCZ1	S	MID-EBB	6/10/2005	13:29	3.86	28.6	3.83	3.82	3.73	58.7	58.5	31.4	5.3	5.3	8.7	7.7
260	WWFCZ1	M	MID-EBB	6/10/2005			28.5	3.71	3.76		57.7	58.0	31.4	5.0	5.1	19.0	21.0
261	WWFCZ1	B	MID-EBB	6/10/2005			28.5	3.73	3.72		58.3	57.3	31.4	4.2	4.3	20.0	20.0
262	WWFCZ2	S	MID-EBB	6/10/2005	13:47	42.00	28.6	3.82	3.78	3.75	61.1	58.0	31.2	5.7	5.8	24.0	20.0
263	WWFCZ2	M	MID-EBB	6/10/2005			28.5	3.71	3.70		57.5	56.5	31.3	5.0	5.1	20.0	14.0
264	WWFCZ2	B	MID-EBB	6/10/2005			28.5	3.36	3.66		57.2	56.2	31.3	4.8	4.8	23.0	19.0
265	WFCZR1	S	MID-EBB	6/10/2005	13:00	39.10	28.6	3.91	3.95	3.94	60.3	60.2	31.4	4.6	4.6	20.0	24.0
266	WFCZR1	M	MID-EBB	6/10/2005			28.5	3.99	3.90		60.2	60.4	31.5	4.2	4.3	18.0	21.0
267	WFCZR1	B	MID-EBB	6/10/2005			28.5	3.99	4.02		61.5	60.9	31.6	4.0	4.0	17.0	19.0
268	WFCZR2	S	MID-EBB	6/10/2005	14:11	39.30	28.6	3.89	3.86	3.82	58.6	59.7	31.1	6.0	6.0	15.0	20.0
269	WFCZR2	M	MID-EBB	6/10/2005			28.6	3.79	3.72		57.4	58.2	31.2	5.6	5.7	21.0	17.0
270	WFCZR2	B	MID-EBB	6/10/2005			28.6	3.65	3.65		55.5	54.5	31.1	5.2	5.2	19.0	18.0

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L	Average value	DO, % saturation	Salinity, ppt	Turbidity, NTU	Averaged Value	Sa	Sb	Averaged Value	
271	WWA1	S	MID-FLOOD	6/10/2005	11:38	12.80	28.4	3.27	3.29	3.26	50.2	50.0	31.6	4.3	4.4	23.0	17.0
272	WWA1	M	MID-FLOOD	6/10/2005			28.4	3.25	3.24		49.7	49.8	31.7	4.1	4.2	24.0	28.0
273	WWA1	B	MID-FLOOD	6/10/2005			28.4	3.21	3.20		49.8	49.7	31.7	4.1	4.1	28.0	26.0
274	WWA2	S	MID-FLOOD	6/10/2005	11:49	10.20	28.4	3.44	3.49	3.43	52.7	53.1	31.7	5.4	5.3	19.0	23.0
275	WWA2	M	MID-FLOOD	6/10/2005			28.4	3.38	3.41		51.8	52.0	31.7	5.0	5.1	25.0	29.0
276	WWA2	B	MID-FLOOD	6/10/2005			28.4	3.35	3.37		51.6	52.0	31.7	4.8	4.7	16.0	19.0
277	WWA3	S	MID-FLOOD	6/10/2005	12:00	10.00	28.4	3.56	3.53	3.52	54.1	54.8	31.8	3.5	3.5	19.0	14.0
278	WWA3	M	MID-FLOOD	6/10/2005			28.4	3.51	3.48		53.5	53.6	31.6	3.2	3.2	22.0	19.0
279	WWA3	B	MID-FLOOD	6/10/2005			28.4	3.29	3.31		50.8	50.8	31.8	3.0	3.1	24.0	23.0
280	WRA1	S	MID-FLOOD	6/10/2005	11:20	27.20	28.4	3.26	3.28	3.33	50.4	50.6	31.5	5.8	5.7	20.0	20.0
281	WRA1	M	MID-FLOOD	6/10/2005			28.4	3.55	3.24		50.0	49.7	31.7	5.4	5.4	17.0	16.0
282	WRA1	B	MID-FLOOD	6/10/2005			28.4	3.35	3.27		50.1	50.4	31.7	5.4	5.4	13.0	12.0
283	WRA2	S	MID-FLOOD	6/10/2005	11:05	28.00	28.4	3.39	3.32	3.33	51.9	50.8	32.0	7.5	7.5	17.0	26.0
284	WRA2	M	MID-FLOOD	6/10/2005			28.4	3.32	3.30		51.8	50.9	31.6	7.1	7.1	25.0	25.0
285	WRA2	B	MID-FLOOD	6/10/2005			28.4	3.19	3.24		51.0	49.6	31.7	6.8	6.8	20.0	28.0
286	WRA3	S	MID-FLOOD	6/10/2005	10:50	28.60	28.3	3.25	3.22	3.25	50.2	49.8	31.9	9.0	8.9	20.0	18.0
287	WRA3	M	MID-FLOOD	6/10/2005			28.3	3.26	3.25		49.8	50.2	31.9	8.0	8.1	11.0	25.0
288	WRA3	B	MID-FLOOD	6/10/2005			28.3	3.25	3.26		49.4	49.1	31.9	7.5	7.5	21.0	23.0
289	WWFCZ1	S	MID-FLOOD	6/10/2005	9:28	36.30	28.5	3.51	3.63	3.66	54.2	55.8	31.5	5.4	5.4	13.0	17.0
290	WWFCZ1	M	MID-FLOOD	6/10/2005			28.4	3.73	3.75		54.4	54.1	31.5	5.1	5.1	23.0	23.0
291	WWFCZ1	B	MID-FLOOD	6/10/2005			28.4	3.42	3.43		52.5	52.7	31.6	4.6	4.5	19.0	19.0
292	WWFCZ2	S	MID-FLOOD	6/10/2005	9:50	41.40	28.4	3.63	3.55	3.52	55.0	55.6	31.5	6.1	6.1	25.0	29.0
293	WWFCZ2	M	MID-FLOOD	6/10/2005			28.4	3.44	3.45		52.9	52.8	31.6	5.1	5.1	27.0	26.0
294	WWFCZ2	B	MID-FLOOD	6/10/2005			28.3	3.43	3.50		51.4	51.6	31.5	5.1	5.1	27.0	29.0
295	WFCZR1	S	MID-FLOOD	6/10/2005	9:00	32.50	28.3	3.76	3.77	3.67	57.0	57.7	32.0	4.9	5.0	22.0	22.0
296	WFCZR1	M	MID-FLOOD	6/10/2005			28.3	3.58	3.56		54.5	55.0	32.0	4.3	4.4	24.0	22.0
297	WFCZR1	B	MID-FLOOD	6/10/2005			28.3	3.53	3.57		53.2	54.2	32.0	4.0	4.1	21.0	19.0
298	WFCZR2	S	MID-FLOOD	6/10/2005	10:15	39.20	28.5	3.39	3.42	3.32	52.4	51.1	31.2	6.9	6.9	19.0	17.0
299	WFCZR2	M	MID-FLOOD	6/10/2005			28.5	3.24	3.21		51.9	49.1	31.3	6.4	6.4	19.0	20.0
300	WFCZR2	B	MID-FLOOD	6/10/2005			28.4	3.28	3.24		49.1	49.5	31.3	5.9	5.8	25.0	24.0
301	WWA1	S	MID-EBB	8/10/2005	14:03	16.50	28.4	3.79	3.72	3.77	57.4	58.3	32.0	5.2	5.2	15.0	19.0
302	WWA1	M	MID-EBB	8/10/2005			28.4	3.76	3.75		57.7	57.6	32.1	4.8	4.8	13.0	13.0
303	WWA1	B	MID-EBB	8/10/2005			28.3	3.76	3								

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L	Average value	DO, % saturation	Salinity, ppt	Turbidity, NTU	Average Value	Sa	Sb	Average Value	
310	WRA1	S	MID-EBB	8/10/2005			28.4	3.84	3.79	59.0	58.6	32.1	5.0	5.0	22.0	21.0	
311	WRA1	M	MID-EBB	8/10/2005	13:47	26.80	28.4	3.80	3.81	3.81	58.0	57.7	32.1	5.1	5.1	24.0	20.0
312	WRA1	B	MID-EBB	8/10/2005			28.4	3.98	3.84	3.91	59.1	57.9	32.1	4.6	4.7	4.9	11.0
313	WRA2	S	MID-EBB	8/10/2005			28.4	3.76	3.79	58.6	58.6	32.1	6.1	6.1	14.0	10.0	
314	WRA2	M	MID-EBB	8/10/2005	13:33	30.20	28.4	3.78	3.71	3.76	57.6	58.1	32.1	5.7	5.8	24.0	23.0
315	WRA2	B	MID-EBB	8/10/2005			28.4	3.84	3.74	3.79	58.2	57.7	32.2	5.2	5.2	5.7	15.0
316	WRA3	S	MID-EBB	8/10/2005			28.4	3.73	3.77	56.9	57.3	32.1	4.7	4.6	19.0	13.0	
317	WRA3	M	MID-EBB	8/10/2005	13:17	28.60	28.4	3.78	3.79	3.77	58.1	58.5	32.1	4.3	4.3	11.0	23.0
318	WRA3	B	MID-EBB	8/10/2005			28.3	3.79	3.78	3.79	58.1	57.6	32.1	3.7	3.7	4.2	9.7
319	WWFCZ1	S	MID-EBB	8/10/2005			28.5	3.88	3.86	58.7	58.4	31.7	4.2	4.2	16.0	18.0	
320	WWFCZ1	M	MID-EBB	8/10/2005	12:16	38.40	28.4	3.76	3.72	3.61	57.7	57.1	31.9	3.7	3.9	13.0	13.0
321	WWFCZ1	B	MID-EBB	8/10/2005			28.3	3.85	3.76	3.81	57.8	57.7	31.9	3.4	3.5	3.8	16.0
322	WWFCZ2	S	MID-EBB	8/10/2005			28.3	3.89	3.86	59.7	59.0	31.9	7.1	7.1	16.0	10.0	
323	WWFCZ2	M	MID-EBB	8/10/2005	12:45	35.50	28.3	3.89	3.84	3.67	59.3	58.3	31.9	6.5	6.5	13.0	13.0
324	WWFCZ2	B	MID-EBB	8/10/2005			28.3	3.83	3.82	3.83	58.8	58.5	31.9	6.2	6.1	6.6	18.0
325	WFCZR1	S	MID-EBB	8/10/2005			28.4	3.92	3.90	60.3	60.2	32.2	3.1	3.0	6.7	6.7	
326	WFCZR1	M	MID-EBB	8/10/2005	12:00	36.50	28.3	3.91	3.90	3.91	59.7	59.9	32.2	3.0	3.1	6.0	9.7
327	WFCZR1	B	MID-EBB	8/10/2005			28.3	3.91	3.87	3.89	60.1	60.7	32.2	3.0	3.0	3.0	8.0
328	WFCZR2	S	MID-EBB	8/10/2005			28.3	4.25	3.76	59.2	58.0	31.9	5.9	5.9	12.0	13.0	
329	WFCZR2	M	MID-EBB	8/10/2005	13:00	36.00	28.3	3.76	3.79	3.89	57.7	58.1	31.9	5.3	5.2	25.0	21.0
330	WFCZR2	B	MID-EBB	8/10/2005			28.3	3.77	3.76	3.77	58.7	57.7	31.9	5.1	5.1	5.4	15.0
331	WWA1	S	MID-FLOOD	8/10/2005			28.4	3.82	3.95	58.8	57.8	31.6	4.8	4.8	13.0	12.0	
332	WWA1	M	MID-FLOOD	8/10/2005	10:00	12.00	28.4	3.71	3.67	3.79	58.3	56.4	31.6	4.4	4.2	19.0	17.0
333	WWA1	B	MID-FLOOD	8/10/2005			28.4	3.71	3.68	3.70	56.8	55.3	31.6	4.2	4.3	4.4	20.0
334	WWA2	S	MID-FLOOD	8/10/2005			28.3	3.77	3.66	60.0	58.3	31.7	5.4	5.3	18.0	18.0	
335	WWA2	M	MID-FLOOD	8/10/2005	10:14	11.60	28.4	3.68	3.67	3.70	56.0	56.3	31.7	5.0	5.2	16.0	19.0
336	WWA2	B	MID-FLOOD	8/10/2005			28.4	3.69	3.65	3.67	58.0	55.6	31.7	4.8	4.8	5.1	19.0
337	WWA3	S	MID-FLOOD	8/10/2005			28.3	3.97	3.79	59.3	58.1	31.6	8.2	8.2	12.0	19.0	
338	WWA3	M	MID-FLOOD	8/10/2005	10:28	10.00	28.3	3.88	3.70	3.84	57.6	56.6	31.6	8.0	8.1	22.0	18.0
339	WWA3	B	MID-FLOOD	8/10/2005			28.3	3.71	3.72	3.72	56.3	56.2	31.6	7.5	7.5	7.9	11.0
340	WRA1	S	MID-FLOOD	8/10/2005			28.3	3.67	3.66	56.2	55.9	31.6	4.6	4.5	21.0	23.0	
341	WRA1	M	MID-FLOOD	8/10/2005	9:46	22.70	28.4	3.67	3.68	3.67	56.2	55.3	31.6	4.2	4.1	9.0	10.0
342	WRA1	B	MID-FLOOD	8/10/2005			28.4	3.86	3.62	3.74	55.8	56.0	31.7	3.9	4.0	4.2	14.0
343	WRA2	S	MID-FLOOD	8/10/2005			28.3	3.72	3.76	56.9	57.0	31.5	6.0	5.9	17.0	13.0	
344	WRA2	M	MID-FLOOD	8/10/2005	9:34	22.30	28.3	3.76	3.64	3.72	57.6	56.1	31.6	5.9	5.8	24.0	17.0
345	WRA2	B	MID-FLOOD	8/10/2005			28.3	4.56	4.44	4.50	56.7	55.6	31.6	5.4	5.4	5.7	19.0
346	WRA3	S	MID-FLOOD	8/10/2005			28.3	3.64	3.63	55.7	55.6	31.6	4.2	4.2	5.7	8.3	
347	WRA3	M	MID-FLOOD	8/10/2005	9:18	21.80	28.3	3.78	3.70	3.69	56.7	56.1	31.6	4.0	4.1	22.0	17.0
348	WRA3	B	MID-FLOOD	8/10/2005			28.3	3.65	3.64	3.65	55.8	56.2	31.6	3.7	3.7	4.0	18.0

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L	Average value	DO, % saturation	Salinity, ppt	Turbidity, NTU	Average Value	Sa	Sb	Average Value	
349	WWFCZ1	S	MID-FLOOD	8/10/2005			28.3	2.94	2.98	46.0	45.6	31.5	4.1	4.2	13.0	14.0	
350	WWFCZ1	M	MID-FLOOD	8/10/2005	8:25	30.20	28.4	3.09	2.96	2.99	46.3	45.1	31.6	3.7	3.8	21.0	21.0
351	WWFCZ1	B	MID-FLOOD	8/10/2005			28.4	2.95	2.93	2.94	45.0	45.2	31.4	3.5	3.5	3.8	20.0
352	WWFCZ2	S	MID-FLOOD	8/10/2005			28.3	3.74	3.83	57.9	57.5	31.6	7.0	7.1	10.0	12.0	
353	WWFCZ2	M	MID-FLOOD	8/10/2005	8:40	35.60	28.3	3.69	3.71	3.74	56.8	56.6	31.6	6.7	6.6	15.0	13.0
354	WWFCZ2	B	MID-FLOOD	8/10/2005			28.3	3.72	3.75	3.74	56.8	57.0	31.6	6.4	6.2	6.7	18.0
355	WFCZR1	S	MID-FLOOD	8/10/2005			28.3	3.36	3.40	48.3	47.7	31.7	2.2	2.2	13.0	8.0	
356	WFCZR1	M	MID-FLOOD	8/10/2005	8:00	33.20	28.3	3.11	3.17	3.26	48.5	47.5	31.7	2.1	2.2	13.0	20.0
357	WFCZR1	B	MID-FLOOD	8/10/2005			28.3	3.10	3.11	3.11	47.9	47.5	31.7	2.1	2.1	2.1	11.0
358	WFCZR2	S	MID-FLOOD	8/10/2005			28.3	3.94	3.84	58.1	57.7	31.7	6.1	6.1	6.3	7.0	
359	WFCZR2	M	MID-FLOOD	8/10/2005	8:59	32.90	28.3	3.79	3.73	3.83	57.8	57.4	31.6	5.8	5.8	18.0	14.0
360	WFCZR2	B	MID-FLOOD	8/10/2005			28.3	3.78	3.79	3.79	57.6	57.7	31.6	5.6	5.5	5.8	11.0
361	WWA1	S	MID-EBB	10/10/2005			28.2	3.83	3.73	58.7	57.3	32.2	4.0	4.0	18.0	17.0	
362	WWA1	M	MID-EBB	10/10/2005	12:10	30.90	28.1	3.71	3.67	3.74	56.9	56.8	32.3	4.5	4.6	16.0	16.0
363	WWA1	B	MID-EBB	10/10/2005			28.1	3.67	3.65	3.66	55.9	55.7	32.4	3.8	3.8	4.1	20.0
364	WWA2	S	MID-EBB	10/10/2005			28.2	3.75	3.69	57.1	56.6	32.3	4.1	4.0	19.0	17.0	
365	WWA2	M	MID-EBB	10/10/2005	12:20	21.90	28.2	3.67	3.65	3.69	56.0	56.9	32.4	2.8	2.8	17.0	17.0
366	WWA2	B	MID-EBB	10/10/2005			28.2	3.82	3.65	3.74	55.7	55.8	32.4	2.8	2.8	3.2	17.0
367	WWA3	S	MID-EBB	10/10/2005			28.2	3.91	3.75	58.8	57.3	32.3	3.1	3.1	13.0	17.0	
368	WWA3	M	MID-EBB	10/10/2005	12:30	17.70	28.1	3.77	3.72	3.79	57.5	56.8	32.5	5.6	5.5	13.0	15.0
369	WWA3	B	MID-EBB	10/10/2005			28.1	3.79	3.73	3.76	57.3	57.0	32.5	4.1	4.1	4.3	13.0
370	WRA1	S	MID-EBB	10/10/2005			28.2	3.62	3.68	55.6	56.5	32.2	2.7	2.6	14.0	17.0	
371	WRA1	M	MID-EBB	10/10/2005	11:37	40.70	28.1	3.64	3.62	3.64	56.7	55.3	32.4	2.5	2.5	14.0	12.0
372	WRA1	B	MID-EBB	10/10/2005			28.1	3.60	3.61	3.61	54.7	54.8	32.4	2.2	2.3	2.5	13.0
373	WRA2	S	MID-EBB	10/10/2005			28.1	4.06	3.76	56.9	54.8	32.2	2.4	2.5	16.0	13.0	
374	WRA2	M	MID-EBB	10/10/2005	11:45	26.90	28.1	3.67	3.62	3.78	55.4	55.2	32.3	3.3	3.2	13.0	18.0
375	WRA2	B	MID-EBB	10/10/2005			28.1	3.60	3.58	3.59	56.2	55.9	32.4	3.0	3.1	2.9	16.0
376	WRA3	S	MID-EBB	10/10/2005			28.1	3.82	3.81	57.7	57.9	32.2	4.1	4.1	15.0	20.0	
377	WRA3	M	MID-EBB	10/10/2005	12:00	33.70	28.1	3.73	3.67	3.76	57.1	56.3	32.2	2.8	2.8	16.0	19.0

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L	Average value	DO, % saturation	Salinity, ppt	Turbidity, NTU	Averaged Value	Sa	Sb	Averaged Value			
388	WFCZR2	S	MID-EBB	10/10/2005	11:13	32.50	28.1	3.63	3.68	3.61	54.7	54.9	32.4	2.6	2.6	2.6	13.0	14.0	14.3
389	WFCZR2	M	MID-EBB	10/10/2005			28.1	3.55	3.57		54.4	54.6	32.4	2.7	2.6		13.0	14.0	
390	WFCZR2	B	MID-EBB	10/10/2005			28.1	3.68	3.56		54.7	54.6	32.4	2.5	2.5		18.0	14.0	
391	WWA1	S	MID-FLOOD	10/10/2005	15:49	29.80	28.2	3.86	3.75	3.83	57.7	57.1	32.5	3.3	3.2	3.5	15.0	13.0	15.0
392	WWA1	M	MID-FLOOD	10/10/2005			28.2	3.84	3.86		57.9	57.6	32.5	3.3	3.3		14.0	18.0	
393	WWA1	B	MID-FLOOD	10/10/2005			28.2	3.77	3.76		57.8	57.7	32.5	3.9	3.8		13.0	17.0	
394	WWA2	S	MID-FLOOD	10/10/2005	16:05	21.70	28.3	3.84	3.79	3.82	59.1	57.8	32.4	4.2	4.2	4.4	16.0	19.0	16.8
395	WWA2	M	MID-FLOOD	10/10/2005			28.3	3.83	3.80		58.4	58.1	32.5	4.8	4.6		17.0	18.0	
396	WWA2	B	MID-FLOOD	10/10/2005			28.2	3.17	3.31		57.2	50.0	32.4	4.2	4.3		14.0	17.0	
397	WWA3	S	MID-FLOOD	10/10/2005	16:12	16.40	28.3	4.09	4.00	3.97	61.6	61.6	32.4	3.8	3.8	5.4	19.0	13.0	13.7
398	WWA3	M	MID-FLOOD	10/10/2005			28.5	3.91	3.88		59.7	59.5	32.5	7.6	6.4		13.0	12.0	
399	WWA3	B	MID-FLOOD	10/10/2005			28.2	3.80	3.81		55.6	56.7	32.5	5.6	5.5		13.0	12.0	
400	WRA1	S	MID-FLOOD	10/10/2005	15:53	38.90	28.3	3.72	3.71	3.78	59.0	57.0	32.5	5.3	5.2	4.8	15.0	14.0	15.3
401	WRA1	M	MID-FLOOD	10/10/2005			28.3	3.88	3.79		58.5	58.3	32.2	5.0	5.1		17.0	14.0	
402	WRA1	B	MID-FLOOD	10/10/2005			28.2	3.81	3.75		58.6	58.5	32.5	4.1	4.1		17.0	15.0	
403	WRA2	S	MID-FLOOD	10/10/2005	15:45	26.10	28.2	3.85	3.79	3.80	58.2	58.2	32.5	3.4	3.4	4.1	19.0	17.0	15.5
404	WRA2	M	MID-FLOOD	10/10/2005			28.2	3.80	3.77		58.1	57.6	32.5	4.4	4.4		16.0	14.0	
405	WRA2	B	MID-FLOOD	10/10/2005			28.2	3.74	3.75		57.7	57.5	32.5	4.5	4.6		15.0	12.0	
406	WRA3	S	MID-FLOOD	10/10/2005	15:35	32.50	28.2	3.79	3.78	3.76	57.7	57.8	32.5	3.0	3.0	3.3	14.0	15.0	15.0
407	WRA3	M	MID-FLOOD	10/10/2005			28.2	3.76	3.71		57.7	57.0	32.5	3.3	3.4		13.0	15.0	
408	WRA3	B	MID-FLOOD	10/10/2005			28.2	3.74	3.77		57.9	57.4	32.5	3.8	3.6		14.0	19.0	
409	WWFCZ1	S	MID-FLOOD	10/10/2005	14:55	20.90	28.2	3.96	3.80	3.82	58.4	58.4	32.5	3.6	3.7	4.2	17.0	15.0	16.7
410	WWFCZ1	M	MID-FLOOD	10/10/2005			28.2	3.76	3.74		57.4	57.5	32.5	4.7	4.7		14.0	20.0	
411	WWFCZ1	B	MID-FLOOD	10/10/2005			28.2	3.74	3.71		59.4	57.3	32.5	4.4	4.4		20.0	14.0	
412	WWFCZ2	S	MID-FLOOD	10/10/2005	15:05	40.20	28.2	3.87	3.82	3.87	59.6	59.2	32.6	3.7	3.7	4.1	11.0	17.0	13.5
413	WWFCZ2	M	MID-FLOOD	10/10/2005			28.3	3.99	3.80		59.2	58.4	32.6	4.2	4.3		18.0	12.0	
414	WWFCZ2	B	MID-FLOOD	10/10/2005			28.3	3.88	3.89		58.5	58.1	32.6	4.3	4.3		11.0	12.0	
415	WFCZR1	S	MID-FLOOD	10/10/2005	14:45	35.20	28.3	3.76	3.69	3.79	57.2	57.3	32.6	5.0	4.9	4.8	18.0	16.0	17.0
416	WFCZR1	M	MID-FLOOD	10/10/2005			28.2	3.92	3.80		58.5	57.7	32.7	4.4	4.5		17.0	18.0	
417	WFCZR1	B	MID-FLOOD	10/10/2005			28.2	3.94	3.78		58.1	57.2	32.6	5.1	5.1		17.0	16.0	
418	WFCZR2	S	MID-FLOOD	10/10/2005	15:20	31.90	28.2	3.84	3.72	3.78	57.2	57.1	32.5	4.1	4.1	4.6	12.0	16.0	13.7
419	WFCZR2	M	MID-FLOOD	10/10/2005			28.2	3.78	3.79		57.9	56.2	32.5	5.0	4.8		11.0	15.0	
420	WFCZR2	B	MID-FLOOD	10/10/2005			28.2	3.77	3.74		57.6	57.4	32.5	4.9	4.9		17.0	11.0	
421	WWA1	S	MID-EBB	12/10/2005	11:03	9.60	28.1	3.76	3.68	3.70	56.8	55.3	32.4	6.9	6.7	5.5	19.0	23.0	21.0
422	WWA1	M	MID-EBB	12/10/2005			28.0	3.68	3.68		56.0	56.1	32.4	4.6	4.6		19.0	16.0	
423	WWA1	B	MID-EBB	12/10/2005			28.0	3.68	3.67		55.9	56.2	32.5	5.1	5.1		24.0	25.0	
424	WWA2	S	MID-EBB	12/10/2005	11:20	10.00	28.0	3.99	3.74	3.77	57.8	56.3	32.8	7.9	7.8	6.0	12.0	14.0	19.8
425	WWA2	M	MID-EBB	12/10/2005			28.0	3.67	3.66		56.0	55.6	32.5	5.4	5.3		26.0	23.0	
426	WWA2	B	MID-EBB	12/10/2005			28.0	3.70	3.68		56.1	56.0	32.5	4.6	4.6		18.0	26.0	

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L	Average value	DO, % saturation	Salinity, ppt	Turbidity, NTU	Averaged Value	Sa	Sb	Averaged Value			
427	WWA3	S	MID-EBB	12/10/2005	11:34	8.10	28.0	3.66	3.64	3.60	56.9	56.0	32.5	5.8	5.8	4.3	23.0	23.0	21.3
428	WWA3	M	MID-EBB	12/10/2005			28.0	3.51	3.58		53.8	54.2	32.5	4.3	4.3		19.0	19.0	
429	WWA3	B	MID-EBB	12/10/2005			28.0	3.51	3.52		54.5	54.4	32.5	2.9	2.9		21.0	23.0	
430	WRA1	S	MID-EBB	12/10/2005	10:53	24.20	28.0	3.67	3.68	3.71	56.9	56.8	32.3	3.9	3.8	4.4	24.0	22.0	23.2
431	WRA1	M	MID-EBB	12/10/2005			28.0	3.77	3.70		57.6	56.9	32.6	5.2	5.2		18.0	24.0	
432	WRA1	B	MID-EBB	12/10/2005			28.0	3.63	3.62		56.6	55.3	32.4	4.2	4.2		28.0	23.0	
433	WRA2	S	MID-EBB	12/10/2005	10:39	26.70	28.0	3.78	3.79	3.75	57.9	57.8	32.4	5.7	5.7	4.6	23.0	23.0	21.2
434	WRA2	M	MID-EBB	12/10/2005			28.0	3.69	3.72		56.3	56.9	32.4	4.1	4.2		21.0	20.0	
435	WRA2	B	MID-EBB	12/10/2005			28.0	3.84	3.71		58.7	56.8	32.4	4.0	4.1		23.0	17.0	
436	WRA3	S	MID-EBB	12/10/2005	10:27	20.50	28.0	3.86	3.83	3.81	59.1	58.5	32.4	6.4	6.3	5.5	21.0	25.0	17.8
437	WRA3	M	MID-EBB	12/10/2005			28.0	3.78	3.77		57.4	57.3	32.4	5.1	5.1		15.0	13.0	
438	WRA3	B	MID-EBB	12/10/2005			28.0	3.73	3.70		56.2	56.9	32.4	4.9	5.0		15.0	18.0	
439	WWFCZ1	S	MID-EBB	12/10/2005	9:29	31.80	28.0	4.06	3.94	3.87	61.0	60.2	32.3	3.9	3.9	3.9	17.0	15.0	15.3
440	WWFCZ1	M	MID-EBB	12/10/2005			28.0	3.73	3.75		57.6	56.9	32.5	4.5	4.5		13.0	14.0	
441	WWFCZ1	B	MID-EBB	12/10/2005			28.0	3.75	3.78		57.7	57.0	32.5	3.2	3.2		15.0	18.0	
442	WWFCZ2	S	MID-EBB	12/10/2005	9:48	30.00	27.8	3.87	3.85	3.66	57.8	59.0	32.4	4.2	4.1	3.3	21.0	24.0	22.5
443	WWFCZ2	M	MID-EBB	12/10/2005			27.8	3.68	3.71		56.7	55.7	32.5	2.1	2.0		26.0	17.0	
444	WWFCZ2	B	MID-EBB	12/10/2005			27.8	3.67	3.65		56.0	55.7	32.4	3.6	3.7		23.0	24.0	
445	WFCZR1	S	MID-EBB	12/10/2005	9:00	33.40	28.0	3.72	3.75	3.82	56.9	57.4	32.5	4.1	4.0	4.3	15.0	18.0	17.3
446	WFCZR1	M	MID-EBB	12/10/2005			28.0	3.89	3.90		58.5	59.2	32.5	5.7	5.5		15.0	14.0	
447	WFCZR1	B	MID-EBB	12/10/2005			28.0	3.79	3.84		56.9	58.8	32.5	3.1	3.1		19.0	23.0	
448	WFCZR2	S	MID-EBB	12/10/2005	10:11	30.40	27.9	3.90	4.07	3.86	61.0	62.0	32.3	4.0	4.0	3.1	15.0	11.0	15.5
449	WFCZR2	M	MID-EBB	12/10/2005			27.9	3.75	3.73		57.3	57.0	32.4	2.1	2.1		10.0	13.0	
450	WFCZR2	B	MID-EBB	12/10/2005			27.9	3.89	3.80		58.0	57.3	32.4	3.1	3.2		21.0	23.0	
451	WWA1	S	MID-FLOOD	12/10/2005	14:59	11.30	28.1	4.07	4.09	4.03	62.2	62.4	32.4	6.0	6.0	5.3	17.0	17.0	15.7
452	WWA1	M	MID-FLOOD	12/10/2005			28.1	3.95	3.99		60.1	60.5	32.4	5.1	5.1		14.0	15.0	
453	WWA1	B	MID-FLOOD	12/10/2005			28.1	3.97	3.90		60.8	59.6	32.4	4.8	4.7		13.0	9.0	
454	WWA2	S	MID-FLOOD	12/10/2005	15:16	12.60	28.1	3.86	3.92	3.87	60.1	58.4	32.4	7.7	7.7	6.2	17.0	19.0	15.0
455	WWA2	M	MID-FLOOD	12/10/2005			28.0	3.84	3.85		6.0	59.6	32.4	6.4	6.4		17.0	19.0	
456	WWA2	B	MID-FLOOD	12/10/2005			28.0	3.89	3.82		58.2	58.0	32.5	4.4	4.5		27.0	26.0	
457	WWA3	S	MID-FLOOD	12/10/2005	15:32	9.90	28.1	3.92	3.90	3.90	60.7	59.8	32.5	5.6	5.5	4.8	17.0	18.0	21.8
458	WWA3	M	MID-FLOOD	12/10/2005			28.1	3.94	3.82		58.6	58.3	32.5	4.9	4.9		17.0	18.0	
459	WWA3	B	MID-FLOOD	12/10/2005			28.1	4.08	3.80		59.6	58.2	32.9	4.0	4.1		21.0	22.0	
460	WRA1	S	MID-FLOOD	12/10/2005	14:43	28.30	28.1	3.88	3.86	3.83	61.5	59.5	32.4	4.2	4.2	4.3	19.0	18.0	17.7
461	WRA1	M	MID-FLOOD	12/10/2005			28.0	3.77	3.80		58.6	58.1	32.4	4.7	4.7		9.0	11.0	
462	WRA1	B	MID-FLOOD	12/10/2005			28.0	3.77	3.78		57.9	58.0	32.4	3.9	4.0		32.0	17.0	
463	WRA2	S	MID-FLOOD	12/10/2005	14:29	29.90	28.1	3.99	3.85	3.92	61.0	61.6							

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L		Average value	DO, % saturation		Salinity, ppt	Turbidity, NTU	Average Value	Sa	Sb	Average Value	
466	WRA3	S	MID-FLOOD	12/10/2005	14:15	25.60	28.0	4.00	4.07		62.0	61.2	32.4	6.3	6.2		12.0	13.0	
467	WRA3	M	MID-FLOOD	12/10/2005			28.0	4.03	4.02	4.03	60.5	60.4	32.4	4.9	4.9		12.0	18.0	
468	WRA3	B	MID-FLOOD	12/10/2005			28.0	4.23	4.00	4.12	58.5	59.0	32.4	3.5	3.5	4.9	20.0	13.0	14.7
469	WWFCZ1	S	MID-FLOOD	12/10/2005	13:25	34.50	28.0	3.84	3.82		58.4	57.4	32.4	4.1	4.1		23.0	26.0	
470	WWFCZ1	M	MID-FLOOD	12/10/2005			28.0	3.78	3.80	3.81	57.8	58.1	32.4	3.7	3.7		23.0	23.0	
471	WWFCZ1	B	MID-FLOOD	12/10/2005			28.0	3.78	3.73	3.76	58.7	58.9	32.4	3.1	3.1	3.6	13.0	15.0	20.5
472	WWFCZ2	S	MID-FLOOD	12/10/2005	13:43	32.70	28.0	3.79	3.76		58.4	57.9	32.4	4.6	4.6		16.0	20.0	
473	WWFCZ2	M	MID-FLOOD	12/10/2005			28.0	3.84	3.80	3.80	56.7	56.5	32.4	3.1	3.2		16.0	11.0	
474	WWFCZ2	B	MID-FLOOD	12/10/2005			28.0	3.99	3.63	3.81	55.5	55.8	32.4	3.7	3.6	3.8	17.0	21.0	16.8
475	WFCZR1	S	MID-FLOOD	12/10/2005	13:00	36.80	28.3	4.03	4.06		62.4	62.1	32.4	4.4	4.3		22.0	24.0	
476	WFCZR1	M	MID-FLOOD	12/10/2005			28.0	4.00	4.01	4.03	61.1	61.2	32.4	5.5	5.5		15.0	14.0	
477	WFCZR1	B	MID-FLOOD	12/10/2005			28.0	3.87	3.85	3.86	59.2	58.9	32.5	3.8	3.7	4.5	21.0	23.0	19.8
478	WFCZR2	S	MID-FLOOD	12/10/2005	13:58	33.30	28.0	3.80	3.87		61.0	58.1	32.4	4.3	4.2		18.0	24.0	
479	WFCZR2	M	MID-FLOOD	12/10/2005			28.0	3.83	3.77	3.82	57.6	57.7	32.5	3.8	3.8		23.0	14.0	
480	WFCZR2	B	MID-FLOOD	12/10/2005			28.0	3.51	3.64	3.58	53.8	57.0	32.6	2.7	2.7	3.6	15.0	25.0	19.8
481	WWA1	S	MID-EBB	13/10/2005	10:49	24.10	27.9	3.81	3.83		58.4	58.1	32.4	4.3	4.4		14.0	22.0	
482	WWA1	M	MID-EBB	13/10/2005			27.8	3.74	3.75	3.78	57.4	56.9	32.4	5.1	5.1		17.0	15.0	
483	WWA1	B	MID-EBB	13/10/2005			27.8	3.79	3.78	3.79	57.8	57.6	32.4	3.4	3.4	4.3	20.0	19.0	17.8
484	WWA2	S	MID-EBB	13/10/2005	10:58	21.20	27.9	3.76	3.70		57.0	56.5	32.5	6.1	6.0		23.0	26.0	
485	WWA2	M	MID-EBB	13/10/2005			27.9	3.74	3.77	3.74	57.5	57.7	32.5	6.0	6.1		22.0	25.0	
486	WWA2	B	MID-EBB	13/10/2005			27.8	3.76	3.75	3.76	57.4	57.2	32.5	4.0	4.0	5.4	22.0	22.0	23.3
487	WWA3	S	MID-EBB	13/10/2005	11:13	10.20	27.9	3.48	3.45		52.3	53.3	32.5	5.7	5.8		20.0	24.0	
488	WWA3	M	MID-EBB	13/10/2005			27.9	3.69	3.54	3.54	53.8	53.7	32.5	4.3	4.2		20.0	16.0	
489	WWA3	B	MID-EBB	13/10/2005			27.8	3.58	3.47	3.53	52.8	52.7	32.5	4.1	4.2	4.7	15.0	25.0	20.0
490	WRA1	S	MID-EBB	13/10/2005	10:39	27.40	28.0	3.75	3.78		57.8	56.4	32.4	3.9	4.0		18.0	16.0	
491	WRA1	M	MID-EBB	13/10/2005			27.9	3.79	3.74	3.77	57.7	57.1	32.3	3.1	3.1		17.0	17.0	
492	WRA1	B	MID-EBB	13/10/2005			27.9	3.61	3.65	3.63	55.7	56.6	32.3	3.0	3.0	3.4	14.0	17.0	16.5
493	WRA2	S	MID-EBB	13/10/2005	10:27	28.50	27.9	3.77	3.89		59.7	57.5	32.4	4.6	4.7		11.0	19.0	
494	WRA2	M	MID-EBB	13/10/2005			27.8	3.82	3.83	3.83	58.5	58.7	32.5	3.9	3.8		16.0	15.0	
495	WRA2	B	MID-EBB	13/10/2005			27.8	3.81	3.82	3.82	58.3	58.5	32.5	3.5	3.5	4.0	14.0	20.0	15.8
496	WRA3	S	MID-EBB	13/10/2005	10:14	30.40	27.9	3.78	3.77		57.9	57.7	32.4	4.1	4.1		16.0	21.0	
497	WRA3	M	MID-EBB	13/10/2005			27.9	3.76	3.74	3.76	57.2	58.0	32.5	5.1	5.1		19.0	20.0	
498	WRA3	B	MID-EBB	13/10/2005			27.8	3.79	3.82	3.81	58.0	57.1	32.5	3.5	3.6	4.2	21.0	19.0	19.3
499	WWFCZ1	S	MID-EBB	13/10/2005	9:27	26.40	28.0	3.89	3.86		59.2	59.0	32.4	5.2	5.1		13.0	13.0	
500	WWFCZ1	M	MID-EBB	13/10/2005			27.9	3.75	3.85	3.84	58.9	58.7	32.5	4.3	4.2		19.0	27.0	
501	WWFCZ1	B	MID-EBB	13/10/2005			27.9	3.96	3.80	3.88	57.6	57.1	32.5	4.9	4.9	4.8	17.0	13.0	17.0
502	WWFCZ2	S	MID-EBB	13/10/2005	9:43	38.30	27.9	3.88	4.00		59.4	60.0	32.4	4.7	4.6		18.0	14.0	
503	WWFCZ2	M	MID-EBB	13/10/2005			27.8	3.86	3.85	3.90	58.9	58.5	32.5	6.0	6.0		11.0	14.0	
504	WWFCZ2	B	MID-EBB	13/10/2005			27.8	3.89	3.78	3.84	57.8	58.0	32.5	5.1	5.2	5.3	21.0	21.0	16.5

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L		Average value	DO, % saturation		Salinity, ppt	Turbidity, NTU	Average Value	Sa	Sb	Average Value	
505	WFCZR1	S	MID-EBB	13/10/2005	9:00	25.20	28.0	3.81	3.71		58.1	56.8	32.6	4.9	4.9		24.0	22.0	
506	WFCZR1	M	MID-EBB	13/10/2005			27.9	3.82	3.83	3.79	58.7	58.8	32.6	4.3	4.4		25.0	22.0	
507	WFCZR1	B	MID-EBB	13/10/2005			27.9	3.74	3.75	3.75	57.0	58.0	32.6	3.3	3.2	4.2	19.0	33.0	24.2
508	WFCZR2	S	MID-EBB	13/10/2005	9:58	37.50	27.8	4.05	4.02		61.7	61.0	32.3	6.4	6.4		33.0	33.0	
509	WFCZR2	M	MID-EBB	13/10/2005			27.8	4.02	3.93	4.01	60.1	60.5	32.4	6.1	6.1		20.0	17.0	
510	WFCZR2	B	MID-EBB	13/10/2005			27.7	3.73	3.73	3.73	57.4	57.7	32.5	4.5	4.6	5.7	35.0	37.0	29.2
511	WWA1	S	MID-FLOOD	13/10/2005	15:23	26.20	28.1	3.94	3.90		60.3	60.1	32.5	4.8	4.8		29.0	30.0	
512	WWA1	M	MID-FLOOD	13/10/2005			28.0	3.95	3.90	3.92	58.7	58.4	32.5	4.1	4.1		25.0	21.0	
513	WWA1	B	MID-FLOOD	13/10/2005			27.8	3.73	3.71	3.72	56.9	56.6	32.6	4.5	4.6	4.5	20.0	19.0	24.0
514	WWA2	S	MID-FLOOD	13/10/2005	15:33	20.00	28.0	3.68	3.70		56.1	56.3	32.5	2.2	2.1		17.0	28.0	
515	WWA2	M	MID-FLOOD	13/10/2005			28.0	3.87	3.81	3.77	57.2	56.8	32.6	3.8	3.9		22.0	20.0	
516	WWA2	B	MID-FLOOD	13/10/2005			28.0	3.67	3.70	3.69	56.5	55.9	32.5	2.4	2.4	2.8	26.0	25.0	23.0
517	WWA3	S	MID-FLOOD	13/10/2005	15:46	16.00	28.0	4.09	3.94		61.3	60.0	32.5	2.9	2.8		19.0	12.0	
518	WWA3	M	MID-FLOOD	13/10/2005			28.0	3.78	3.77	3.90	57.9	58.4	32.5	6.1	6.1		16.0	16.0	
519	WWA3	B	MID-FLOOD	13/10/2005			28.0	3.18	3.39	3.29	53.7	55.5	32.5	5.6	5.5	4.8	24.0	21.0	18.0
520	WRA1	S	MID-FLOOD	13/10/2005	15:10	22.80	28.0	3.59	3.61		54.8	54.6	32.6	8.7	8.2		14.0	20.0	
521	WRA1	M	MID-FLOOD	13/10/2005			28.0	3.54	3.55	3.57	54.2	54.2	32.6	7.1	7.2		19.0	16.0	
522	WRA1	B	MID-FLOOD	13/10/2005			28.0	3.53	3.51	3.52	53.8	54.3	32.6	3.6	3.6	6.4	19.0	19.0	17.8
523	WRA2	S	MID-FLOOD	13/10/2005	14:57	24.60	28.4	3.89	3.79		57.8	58.1	32.6	5.4	5.5		23.0	26.0	
524	WRA2	M	MID-FLOOD	13/10/2005			28.0	3.74	3.70	3.78	56.6	56.2	32.6	6.2	6.3		26.0	11.0	
525	WRA2	B	MID-FLOOD	13/10/2005			28.0	3.49	3.63	3.56	55.5	56.0	32.6	4.1	4.2	5.3	13.0	15.0	19.0
526	WRA3	S	MID-FLOOD	13/10/2005	14:44	23.10	28.1	3.78	3.78		57.4	58.2	32.6	4.9	5.0		16.0	12.0	
527	WRA3	M	MID-FLOOD	13/10/2005			28.0	3.74	3.72	3.76	57.0	57.1	32.6	5.1	5.1		22.0	16.0	
528	WRA3	B	MID-FLOOD	13/10/2005			28.0	3.74	3.78	3.76	56.3	56.8	32.6	3.1	3.1	4.4	19.0	21.0	17.7
529	WWFCZ1	S	MID-FLOOD	13/10/2005	13:55	42.10	28.0	3.87	3.82		58.4	58.8	32.4	6.3	6.3		11.0	15.0	
530	WWFCZ1	M	MID-FLOOD	13/10/2005			27.9	3.97	3.95	3.90	60.5	60.1	32.4	7.1	7.1		16.0	11.0	
531	WWFCZ1	B	MID-FLOOD	13/10/2005			27.6	3.96	3.88	3.92	59.4	59.2	32.4	4.4	4.4	5.9	14.0	14.0	13.5
532	WWFCZ2	S	MID-FLOOD	13/10/2005	14:15	39.60	28.0	3.78	3.76		58.2	56.8	32.6	5.6	5.6		23.0	18.0	
533	WWFCZ2	M	MID-FLOOD	13/10/2005			27.8	4.05	4.06	3.91	60.6	60.0	32.6	5.3	5.4		19.0	20.0	
534	WWFCZ2	B	MID-FLOOD	13/10/2005			27.8	3.89	3.87	3.88	58.5	57.3	32.6	3.0	3.0	4.6	24.0	21.0	20.8
535	WFCZR1	S	MID-FLOOD	13/10/2005	13:30	33.30	28.1	4.02	3.99		61.2	61.4	32.6	3.8	3.6		15.0	17.0	
536	WFCZR1	M	MID-FLOOD	13/10/2005			28.1	4.15	4.13	4.07	63.3	63.6	32.7	4.0	4.1		14.0	14.0	
537	WFCZR1	B	MID-FLOOD	13/10/2005			27.9	4.24	4.21	4.23	64.6	63.4	32.7	5.0	5.0	4.2	12.0	11.0	13.8
538	WFCZR2	S	MID-FLOOD	13/10/2005	14:30	32.50	28.1	3.92	3.96										

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L			Average value	DO, % saturation	Salinity, ppt		Turbidity, NTU		Averaged Value	Sa	Sb	Averaged Value
544	WWA2	S	MID-EBB	15/10/2005	11:01	10.70	28.1	4.02	3.84		56.6	56.6	32.3	5.7	5.7		13.0	15.0		
545	WWA2	M	MID-EBB	15/10/2005			28.0	3.91	3.73	3.88	56.4	56.0	32.5	2.2	2.2		21.0	22.0		
546	WWA2	B	MID-EBB	15/10/2005			27.9	3.52	3.63	3.58	55.5	55.1	32.5	4.1	4.1	4.0	27.0	29.0	21.2	
547	WWA3	S	MID-EBB	15/10/2005	11:16	8.60	28.0	3.54	3.54		53.8	53.9	32.5	5.0	5.0		15.0	23.0		
548	WWA3	M	MID-EBB	15/10/2005			28.1	3.64	3.59	3.58	55.0	54.1	32.4	5.7	5.6		17.0	24.0		
549	WWA3	B	MID-EBB	15/10/2005			28.1	3.69	3.69	3.69	55.2	54.2	32.5	5.9	5.8	5.5	28.0	19.0	21.0	
550	WRA1	S	MID-EBB	15/10/2005	10:44	22.40	28.0	4.26	3.97		58.6	57.6	32.3	5.6	5.7		10.0	17.0		
551	WRA1	M	MID-EBB	15/10/2005			28.0	3.67	3.65	3.89	55.9	56.3	32.3	9.8	9.8		17.0	22.0		
552	WRA1	B	MID-EBB	15/10/2005			27.8	3.72	3.66	3.69	56.6	56.1	32.4	6.7	6.8	7.4	16.0	10.0	15.3	
553	WRA2	S	MID-EBB	15/10/2005	10:29	25.70	28.1	3.87	3.70		57.3	56.9	32.2	3.7	3.6		17.0	15.0		
554	WRA2	M	MID-EBB	15/10/2005			28.0	3.76	3.77	3.78	56.5	56.6	32.4	4.2	4.2		17.0	22.0		
555	WRA2	B	MID-EBB	15/10/2005			28.0	3.85	3.74	3.80	57.2	56.9	32.3	5.2	5.2	4.4	13.0	11.0	15.8	
556	WRA3	S	MID-EBB	15/10/2005	10:14	24.10	28.0	3.94	3.84		58.7	58.1	32.3	4.0	3.9		18.0	22.0		
557	WRA3	M	MID-EBB	15/10/2005			28.0	3.81	3.77	3.84	57.6	57.5	32.2	4.8	4.2		15.0	19.0		
558	WRA3	B	MID-EBB	15/10/2005			27.9	4.25	3.86	4.06	58.5	58.2	32.3	2.9	2.9	3.8	9.7	8.0	15.3	
559	WWFCZ1	S	MID-EBB	15/10/2005	9:25	32.40	28.0	4.14	4.02		61.5	60.3	32.3	4.5	4.5		8.3	8.0		
560	WWFCZ1	M	MID-EBB	15/10/2005			28.0	3.99	3.80	3.99	61.1	58.3	32.4	7.0	7.0		17.0	12.0		
561	WWFCZ1	B	MID-EBB	15/10/2005			28.0	3.98	3.77	3.88	60.4	56.9	32.4	5.1	5.2	5.5	16.0	18.0	13.2	
562	WWFCZ2	S	MID-EBB	15/10/2005	9:40	36.30	28.0	3.97	3.92		60.0	61.6	32.3	7.9	7.9		10.0	10.0		
563	WWFCZ2	M	MID-EBB	15/10/2005			28.0	3.83	3.80	3.88	58.7	58.5	32.3	4.6	4.6		15.0	12.0		
564	WWFCZ2	B	MID-EBB	15/10/2005			28.0	3.83	3.84	3.84	58.7	58.6	32.3	2.4	2.5	5.0	27.0	14.0	14.7	
565	WFCZR1	S	MID-EBB	15/10/2005	9:00	30.00	28.0	4.13	4.15		63.2	60.7	32.5	7.2	7.2		23.0	21.0		
566	WFCZR1	M	MID-EBB	15/10/2005			28.0	4.13	4.23	4.16	64.7	65.3	32.5	4.9	5.0		13.0	23.0		
567	WFCZR1	B	MID-EBB	15/10/2005			27.9	4.26	4.27	4.27	65.3	64.4	32.5	5.7	5.6	5.9	18.0	18.0	19.3	
568	WFCZR2	S	MID-EBB	15/10/2005	9:59	30.60	28.0	4.18	4.11		63.7	62.9	32.0	5.6	5.6		23.0	33.0		
569	WFCZR2	M	MID-EBB	15/10/2005			28.0	4.16	4.18	4.16	60.8	61.0	32.1	8.0	8.1		32.0	34.0		
570	WFCZR2	B	MID-EBB	15/10/2005			28.0	4.05	3.90	3.98	61.9	60.0	32.1	3.2	3.2	5.6	37.0	18.0	29.5	
571	WWA1	S	MID-FLOOD	15/10/2005	14:34	13.00	28.3	3.61	3.65		55.9	56.0	31.3	6.1	6.0		27.0	19.0		
572	WWA1	M	MID-FLOOD	15/10/2005			28.2	3.62	3.55	3.61	54.5	54.7	31.4	4.3	4.2		21.0	12.0		
573	WWA1	B	MID-FLOOD	15/10/2005			28.1	3.58	3.51	3.55	53.6	52.3	31.5	5.9	5.8	5.4	22.0	18.0	19.8	
574	WWA2	S	MID-FLOOD	15/10/2005	14:47	17.90	28.2	3.56	3.48		53.1	52.9	31.2	4.9	4.8		15.0	24.0		
575	WWA2	M	MID-FLOOD	15/10/2005			28.1	3.47	3.45	3.49	52.6	52.7	31.7	6.1	6.1		10.0	8.7		
576	WWA2	B	MID-FLOOD	15/10/2005			28.2	3.46	3.44	3.45	52.6	52.3	31.7	3.7	3.7	4.9	9.0	8.0	12.5	
577	WWA3	S	MID-FLOOD	15/10/2005	14:50	20.50	28.2	3.60	3.65		54.4	55.1	31.3	5.0	4.9		24.0	26.0		
578	WWA3	M	MID-FLOOD	15/10/2005			28.2	3.86	3.69	3.70	54.7	54.1	31.5	7.9	7.8		12.0	12.0		
579	WWA3	B	MID-FLOOD	15/10/2005			28.1	3.52	3.44	3.48	53.3	53.1	31.6	3.8	3.8	5.5	17.0	15.0	17.7	
580	WRA1	S	MID-FLOOD	15/10/2005	14:23	28.80	28.3	3.96	4.04		61.1	59.5	31.4	7.0	7.0		18.0	19.0		
581	WRA1	M	MID-FLOOD	15/10/2005			28.0	3.58	3.57	3.79	53.2	53.5	32.1	7.1	7.1		16.0	22.0		
582	WRA1	B	MID-FLOOD	15/10/2005			28.0	3.30	3.37	3.34	50.5	50.6	32.3	5.0	5.1	6.4	21.0	13.0	18.2	

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L			Average value	DO, % saturation	Salinity, ppt		Turbidity, NTU		Averaged Value	Sa	Sb	Averaged Value
583	WRA2	S	MID-FLOOD	15/10/2005	14:11	28.10	28.2	3.96	3.79		59.1	58.2	31.4	4.1	4.2		12.0	29.0		
584	WRA2	M	MID-FLOOD	15/10/2005			28.2	3.90	3.87	3.88	57.6	56.7	31.6	5.3	5.2		19.0	17.0		
585	WRA2	B	MID-FLOOD	15/10/2005			28.1	3.68	3.67	3.68	56.2	55.2	32.0	5.3	5.2	4.9	21.0	16.0	19.0	
586	WRA3	S	MID-FLOOD	15/10/2005	13:57	27.40	28.3	4.48	4.43		7.0	69.6	30.8	3.5	3.5		26.0	20.0		
587	WRA3	M	MID-FLOOD	15/10/2005			28.1	4.34	4.37	4.41	66.6	66.2	31.3	2.7	2.7		23.0	18.0		
588	WRA3	B	MID-FLOOD	15/10/2005			28.1	4.19	4.13	4.16	61.1	59.8	32.1	4.2	4.1	3.4	14.0	11.0	18.7	
589	WWFCZ1	S	MID-FLOOD	15/10/2005	13:21	35.40	28.2	4.62	4.62		71.0	72.9	30.9	4.0	3.9		12.0	13.0		
590	WWFCZ1	M	MID-FLOOD	15/10/2005			28.0	4.55	4.15	4.49	64.8	63.6	31.6	2.5	2.5		18.0	15.0		
591	WWFCZ1	B	MID-FLOOD	15/10/2005			28.0	4.18	4.20	4.19	63.2	63.0	31.5	3.0	3.1	3.1	20.0	9.7	14.6	
592	WWFCZ2	S	MID-FLOOD	15/10/2005	13:32	38.70	28.4	4.66	4.69		71.7	71.8	30.8	4.6	4.6		21.0	23.0		
593	WWFCZ2	M	MID-FLOOD	15/10/2005			28.1	4.20	4.27	4.46	64.5	64.1	31.8	5.6	5.6		12.0	9.7		
594	WWFCZ2	B	MID-FLOOD	15/10/2005			28.0	4.17	4.18	4.18	63.5	63.3	31.1	3.2	3.3	4.5	12.0	9.7	14.6	
595	WFCZR1	S	MID-FLOOD	15/10/2005	13:00	34.00	28.1	4.83	4.86		73.0	72.5	31.6	4.4	4.4		16.0	11.0		
596	WFCZR1	M	MID-FLOOD	15/10/2005			28.1	4.71	4.70	4.78	70.8	70.7	31.4	3.6	3.5		16.0	20.0		
597	WFCZR1	B	MID-FLOOD	15/10/2005			28.1	4.40	4.43	4.42	67.2	66.8	31.6	2.9	3.0	3.6	17.0	13.0	15.5	
598	WFCZR2	S	MID-FLOOD	15/10/2005	13:41	42.20	28.3	4.56	4.70		69.2	69.8	30.7	8.1	8.2		9.0	10.0		
599	WFCZR2	M	MID-FLOOD	15/10/2005			28.1	4.53	4.49	4.57	67.4	66.4	31.0	3.4	3.5		17.0	17.0		
600	WFCZR2	B	MID-FLOOD	15/10/2005			28.0	4.43	4.30	4.37	66.4	65.3	30.1	5.4	5.4	5.7	13.0	23.0	14.8	
601	WWA1	S	MID-EBB	17/10/2005	15:09	17.00	28.0	3.69	3.69		59.9	55.9	30.7	7.0	6.9		11.0	17.0		
602	WWA1	M	MID-EBB	17/10/2005			28.0	3.68	3.18	3.56	55.7	57.9	31.0	3.1	3.2		14.0	22.0		
603	WWA1	B	MID-EBB	17/10/2005			28.0	3.20	3.99	3.60	57.5	57.6	30.1	4.8	4.9	5.0	29.0	22.0	19.2	
604	WWA2	S	MID-EBB	17/10/2005	15:29	15.60	28.1	3.76	3.75		56.9	57.3	31.8	7.4	7.3		13.0	11.0		
605	WWA2	M	MID-EBB	17/10/2005			28.0	3.61	3.65	3.69	55.4	55.8	32.1	5.2	5.2		19.0	19.0		
606	WWA2	B	MID-EBB	17/10/2005			27.9	3.80	3.76	3.78	52.9	53.0	32.1	2.8	2.8	5.1	21.0	19.0	17.0	
607	WWA3	S	MID-EBB	17/10/2005	15:46	11.50	28.0	3.99	3.91		58.3	57.2	32.9	5.0	5.1		12.0	10.0		
608	WWA3	M	MID-EBB	17/10/2005			28.0	3.58	3.56	3.76	54.0	54.1	32.1	7.9	8.0		10.0	11.0		
609	WWA3	B	MID-EBB	17/10/2005			27.9	3.43	3.44	3.44	52.5	52.6	32.2	3.8	3.8	5.6	19.0	17.0	13.2	
610	WRA1	S	MID-EBB	17/10/2005	14:46	32.80	28.0	4.13	4.03		64.7	63.0	31.8	3.8	3.7		10.0	19.0		
611	WRA1	M	MID-EBB	17/10/2005			28.0	3.69	3.67	3.88	55.9	56.0	31.9	5.2	5.3		10.0	10.0		
612	WRA1	B	MID-EBB	17/10/2005			27.9	3.87	3.78	3.83	57.3	56.8	31.9	4.1	4.1	4.3	16.0	19.0	14.0	
613	WRA2	S	MID-EBB	17/10/2005	14:29	27.90	28.0	3.91	3.74		56.8	56.5	31.8	9.3	9.3		10.0	7.0		
614	WRA2	M	MID-EBB	17/10/2005			28.0	3.70	3.69	3.76	56.4	56.0	31.9	7.1	7.2		8.0	10.0		
615	WRA2	B	MID-EBB	17/10/2005			28.0	3.61	3.70	3.66	54.0	50.5	31.0	3.6	3.7	6.7	19.0	17.0	11.8	
616	WRA3	S	MID-EBB																	

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L	Average value	DO, % saturation	Salinity, ppt	Turbidity, NTU	Averaged Value	Sa	Sb	Averaged Value
622	WWFCZ2	S	MID-EBB	17/10/2005			28.1	4.13	4.03		61.4	59.4	31.6	7.8	7.9	
623	WWFCZ2	M	MID-EBB	17/10/2005	13:45	39.60	28.0	3.74	3.75	3.91	57.4	57.1	32.1	4.1	4.2	
624	WWFCZ2	B	MID-EBB	17/10/2005			28.0	3.69	3.69	3.69	56.1	56.1	32.0	3.0	3.1	5.0
625	WFCZR1	S	MID-EBB	17/10/2005			28.0	3.93	3.94		60.3	59.3	32.1	4.0	4.0	10.0
626	WFCZR1	M	MID-EBB	17/10/2005	13:00	37.50	27.9	3.99	3.99	3.96	60.9	60.6	32.1	4.1	4.2	13.0
627	WFCZR1	B	MID-EBB	17/10/2005			28.1	3.93	3.96	3.95	60.4	60.3	32.1	5.0	5.1	13.0
628	WFCZR2	S	MID-EBB	17/10/2005			28.1	4.27	4.27		64.0	62.0	32.3	5.0	4.9	10.0
629	WFCZR2	M	MID-EBB	17/10/2005	13:59	40.80	28.1	3.95	3.94	4.11	60.8	60.9	31.7	5.9	5.9	8.0
630	WFCZR2	B	MID-EBB	17/10/2005			28.1	3.74	3.78	3.76	58.0	57.7	31.8	3.1	3.2	10.0
631	WWA1	S	MID-FLOOD	17/10/2005			28.0	3.42	3.41		52.3	52.1	33.0	7.1	7.1	18.0
632	WWA1	M	MID-FLOOD	17/10/2005	10:59	13.10	27.9	3.62	3.32	3.44	50.5	50.3	32.2	6.7	6.5	15.0
633	WWA1	B	MID-FLOOD	17/10/2005			27.9	3.30	3.29	3.30	50.2	50.1	32.2	5.3	5.5	25.0
634	WWA2	S	MID-FLOOD	17/10/2005			28.0	3.67	3.55		53.8	53.0	32.1	7.2	7.2	18.0
635	WWA2	M	MID-FLOOD	17/10/2005	11:13	12.40	28.0	3.45	3.39	3.52	51.8	51.5	32.3	4.6	4.6	11.0
636	WWA2	B	MID-FLOOD	17/10/2005			27.9	3.29	3.27	3.28	50.0	49.9	32.4	6.0	6.0	20.0
637	WWA3	S	MID-FLOOD	17/10/2005			28.1	3.27	3.26		49.7	49.8	32.1	8.3	8.3	18.0
638	WWA3	M	MID-FLOOD	17/10/2005	11:28	8.60	27.9	3.30	3.25	3.27	49.6	49.3	32.3	7.5	7.5	11.0
639	WWA3	B	MID-FLOOD	17/10/2005			27.9	3.18	3.16	3.17	48.3	48.0	32.4	5.2	5.2	10.0
640	WRA1	S	MID-FLOOD	17/10/2005			28.0	3.55	3.66		55.8	55.6	32.0	7.6	7.6	19.0
641	WRA1	M	MID-FLOOD	17/10/2005	10:43	23.90	27.9	3.52	3.43	3.54	52.4	52.0	32.2	6.4	6.5	11.0
642	WRA1	B	MID-FLOOD	17/10/2005			27.9	3.34	3.36	3.35	51.3	51.2	32.2	5.2	5.2	14.0
643	WRA2	S	MID-FLOOD	17/10/2005			27.9	3.72	3.52		52.8	52.6	32.4	6.7	6.7	10.0
644	WRA2	M	MID-FLOOD	17/10/2005	10:30	28.70	27.9	3.55	3.44	3.56	52.9	52.4	32.3	6.5	6.5	14.0
645	WRA2	B	MID-FLOOD	17/10/2005			27.9	3.54	3.42	3.48	52.4	51.4	32.3	7.4	7.4	10.0
646	WRA3	S	MID-FLOOD	17/10/2005			27.9	3.54	3.52		54.6	54.1	32.2	6.9	7.0	10.0
647	WRA3	M	MID-FLOOD	17/10/2005	10:14	26.20	27.9	3.53	3.49	3.52	53.5	53.5	32.2	5.1	5.1	13.0
648	WRA3	B	MID-FLOOD	17/10/2005			27.8	3.45	3.53	3.49	53.9	53.4	32.4	4.0	4.1	11.0
649	WWFCZ1	S	MID-FLOOD	17/10/2005			28.0	3.84	3.81		58.8	56.6	32.3	3.9	3.9	10.0
650	WWFCZ1	M	MID-FLOOD	17/10/2005	9:24	31.80	27.8	3.68	3.60	3.73	56.2	54.0	32.4	4.2	4.2	10.0
651	WWFCZ1	B	MID-FLOOD	17/10/2005			27.9	3.56	3.57	3.57	54.4	54.6	32.5	5.1	5.1	19.0
652	WWFCZ2	S	MID-FLOOD	17/10/2005			27.9	3.92	3.73		57.0	56.0	32.3	2.7	2.7	8.0
653	WWFCZ2	M	MID-FLOOD	17/10/2005	9:46	32.10	27.9	3.52	3.57	3.69	54.5	55.0	32.3	3.0	3.1	9.7
654	WWFCZ2	B	MID-FLOOD	17/10/2005			27.8	3.56	3.57	3.57	54.5	53.9	32.3	2.9	2.9	10.0
655	WFCZR1	S	MID-FLOOD	17/10/2005			27.9	3.66	3.63		52.8	55.9	32.6	7.9	7.9	23.0
656	WFCZR1	M	MID-FLOOD	17/10/2005	9:00	36.00	27.9	3.94	3.90	3.78	59.7	59.1	32.6	4.3	4.4	22.0
657	WFCZR1	B	MID-FLOOD	17/10/2005			27.8	3.74	3.86	3.80	59.0	59.4	32.6	5.2	5.2	10.0
658	WFCZR2	S	MID-FLOOD	17/10/2005			28.0	3.85	3.60		55.8	55.2	32.2	3.0	3.1	12.0
659	WFCZR2	M	MID-FLOOD	17/10/2005	10:00	34.30	27.9	3.74	3.51	3.68	55.1	53.6	32.2	3.1	3.2	20.0
660	WFCZR2	B	MID-FLOOD	17/10/2005			27.9	3.52	3.59	3.56	54.8	55.0	32.2	4.2	4.1	17.0

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L	Average value	DO, % saturation	Salinity, ppt	Turbidity, NTU	Averaged Value	Sa	Sb	Averaged Value
661	WWA1	S	MID-EBB	18/10/2005			28.1	3.81	3.76		57.0	57.9	31.8	4.5	4.4	9.0
662	WWA1	M	MID-EBB	18/10/2005	14:51	10.70	27.9	3.62	3.65	3.71	55.2	55.5	32.0	6.1	6.2	8.0
663	WWA1	B	MID-EBB	18/10/2005			27.9	3.67	3.66	3.67	55.6	55.9	32.0	5.0	5.1	7.7
664	WWA2	S	MID-EBB	18/10/2005			28.0	3.77	3.92		57.7	57.9	31.8	5.8	5.8	10.0
665	WWA2	M	MID-EBB	18/10/2005	15:03	11.40	28.0	3.87	3.94	3.88	58.1	57.1	31.9	2.9	2.8	27.0
666	WWA2	B	MID-EBB	18/10/2005			27.9	3.65	3.64	3.65	55.5	56.0	31.9	4.2	4.2	8.3
667	WWA3	S	MID-EBB	18/10/2005			28.0	3.57	3.56		54.1	54.2	32.0	9.7	9.8	12.0
668	WWA3	M	MID-EBB	18/10/2005	15:13	9.00	28.0	3.58	3.60	3.58	53.9	54.2	32.0	7.1	7.2	10.0
669	WWA3	B	MID-EBB	18/10/2005			28.0	3.51	3.58	3.55	53.1	54.2	32.1	3.1	3.1	7.3
670	WRA1	S	MID-EBB	18/10/2005			28.0	3.78	3.79		57.7	58.2	31.8	7.6	7.6	24.0
671	WRA1	M	MID-EBB	18/10/2005	14:40	24.20	28.0	3.85	3.86	3.82	58.9	57.7	31.7	5.8	5.7	4.0
672	WRA1	B	MID-EBB	18/10/2005			27.9	3.80	3.91	3.86	57.7	57.4	31.8	3.3	3.3	14.0
673	WRA2	S	MID-EBB	18/10/2005			28.1	3.90	3.86		59.0	59.3	31.8	2.9	2.9	11.0
674	WRA2	M	MID-EBB	18/10/2005	14:23	20.10	28.0	3.85	3.76	3.84	57.3	57.0	31.9	3.2	3.3	17.0
675	WRA2	B	MID-EBB	18/10/2005			28.0	3.69	3.67	3.68	56.0	56.3	31.7	2.5	2.6	13.0
676	WRA3	S	MID-EBB	18/10/2005			27.9	3.73	3.61		55.4	54.9	32.0	6.1	6.1	13.0
677	WRA3	M	MID-EBB	18/10/2005	14:09	23.70	27.9	3.70	3.69	3.68	56.5	55.5	32.0	3.9	3.9	10.0
678	WRA3	B	MID-EBB	18/10/2005			27.8	3.59	3.70	3.65	54.5	55.1	32.0	4.0	4.1	20.0
679	WWFCZ1	S	MID-EBB	18/10/2005			28.0	3.90	3.91		59.2	59.1	31.8	5.3	5.2	26.0
680	WWFCZ1	M	MID-EBB	18/10/2005	13:24	30.60	27.9	3.77	3.69	3.82	56.3	56.1	31.1	4.0	4.1	41.0
681	WWFCZ1	B	MID-EBB	18/10/2005			28.0	3.87	3.89	3.88	57.1	57.6	32.1	3.8	3.9	20.0
682	WWFCZ2	S	MID-EBB	18/10/2005			28.1	3.98	4.07		62.0	60.3	31.7	3.6	3.6	21.0
683	WWFCZ2	M	MID-EBB	18/10/2005	13:41	31.30	28.0	4.01	4.05	4.03	61.8	61.6	31.7	2.5	2.5	24.0
684	WWFCZ2	B	MID-EBB	18/10/2005			27.9	3.72	3.82	3.77	56.6	56.1	32.0	3.3	3.2	13.0
685	WFCZR1	S	MID-EBB	18/10/2005			27.9	4.02	3.95		60.3	59.3	32.2	5.4	5.3	29.0
686	WFCZR1	M	MID-EBB	18/10/2005	13:00	31.00	27.9	3.81	3.82	3.90	58.2	58.8	32.1	3.2	3.2	12.0
687	WFCZR1	B	MID-EBB	18/10/2005			27.8	3.96	3.88	3.92	58.6	58.5	32.1	4.2	4.3	6.7
688	WFCZR2	S	MID-EBB	18/10/2005			28.1	4.00	3.98		60.6	60.4	31.7	4.9	4.9	15.0
689	WFCZR2	M	MID-EBB	18/10/2005	13:52	33.60	28.0	4.12	3.88	4.00	59.5	58.7	31.8	3.5	3.6	1.3
690	WFCZR2	B	MID-EBB	18/10/2005			28.0	3.93	3.83	3.88	58.8	58.1	31.9	2.8	2.8	7.0
691	WWA1	S	MID-FLOOD	18/10/2005			27.9	3.46	3.49		52.8	52.6	32.3	9.4	9.4	21.0
692	WWA1	M	MID-FLOOD	18/10/2005	10:49	15.80	27.8	3.39	3.36	3.43	52.7	52.4	32.3	5.1	5.1	9.7
693	WWA1	B	MID-FLOOD	18/10/2005			27.8	3.38	3.41	3.40	51.5	51.2	32.3	4.5	4.5	10.0
694	WWA2	S	MID-FLOOD	18/10/2005			27.8	3.61	3.51		54.5	52.5	30.8	6.8	6.9	8.0
695	WWA2	M	MID-FLOOD	18/10/2005	11:05	13.20	27.8	3.49	3.52	3.53	54.6	53.7	32.3	5.2	5.2	12.0
696	WWA2	B	MID-FLOOD	18/10/2005			27.8	3.64	3.54	3.59	54.0	53.4	32.9	4.5	4.5	7.7
697	WWA3	S	MID-FLOOD	18/10/2005			27.8	3.68	3.63		54.9	55.2	32.3	3.7	3.7	11.0
698	WWA3	M	MID-FLOOD	18/10/2005	11:15	11.30	27.8	3.58	3.55	3.61	54.2	53.9	32.3	7.8	7.9	17.0
699	WWA3	B	MID-FLOOD	18/10/2005			27.8	3.51	3.54	3.53	53.5	53.6	32.3	4.2	4.2	8.7

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L	Average value	DO, % saturation	Salinity, ppt	Turbidity, NTU	Averaged Value	Sa	Sb	Averaged Value	
700	WRA1	S	MID-FLOOD	18/10/2005			27.8	3.42	3.40	51.2	51.3	32.3	4.0	3.9	11.0	23.0	
701	WRA1	M	MID-FLOOD	18/10/2005	10:37	26.80	27.8	3.57	3.46	3.46	51.8	51.3	32.3	5.2	5.2	2.7	10.0
702	WRA1	B	MID-FLOOD	18/10/2005			27.8	3.37	3.35	3.36	51.5	51.1	32.3	6.9	6.9	27.0	13.0
703	WRA2	S	MID-FLOOD	18/10/2005			27.8	3.43	3.44		52.4	52.3	32.3	4.1	4.2	11.0	24.0
704	WRA2	M	MID-FLOOD	18/10/2005	10:27	26.50	27.8	3.48	3.46	3.45	52.7	52.4	32.3	9.0	8.5	13.0	21.0
705	WRA2	B	MID-FLOOD	18/10/2005			27.7	3.33	3.37	3.35	51.4	51.2	32.3	5.9	6.0	7.0	11.0
706	WRA3	S	MID-FLOOD	18/10/2005			27.8	3.54	3.51		53.9	51.9	32.3	3.2	3.2	17.0	18.0
707	WRA3	M	MID-FLOOD	18/10/2005	10:13	28.10	27.8	3.50	3.45	3.50	52.6	53.4	32.3	3.0	3.1	7.7	13.0
708	WRA3	B	MID-FLOOD	18/10/2005			27.7	3.45	3.44	3.45	52.5	52.4	32.3	2.6	2.7	14.0	13.0
709	WWFCZ1	S	MID-FLOOD	18/10/2005			27.8	3.64	3.66		55.7	54.8	32.0	7.8	7.9	9.7	7.0
710	WWFCZ1	M	MID-FLOOD	18/10/2005	9:26	42.00	27.9	3.60	3.67	3.64	56.0	54.3	32.1	6.0	5.9	3.0	10.0
711	WWFCZ1	B	MID-FLOOD	18/10/2005			27.8	3.59	3.57	3.58	54.0	54.7	32.3	3.3	3.4	11.0	13.0
712	WWFCZ2	S	MID-FLOOD	18/10/2005			27.8	3.67	3.61		53.7	54.5	32.0	4.8	4.8	22.0	22.0
713	WWFCZ2	M	MID-FLOOD	18/10/2005	9:40	38.20	27.8	3.63	3.66	3.64	55.7	55.7	32.0	6.2	6.3	25.0	26.0
714	WWFCZ2	B	MID-FLOOD	18/10/2005			27.7	3.64	3.63	3.64	55.3	55.0	32.1	2.9	2.9	46.0	28.0
715	WFCZR1	S	MID-FLOOD	18/10/2005			27.8	3.54	3.53		54.9	55.6	32.1	6.1	6.2	18.0	20.0
716	WFCZR1	M	MID-FLOOD	18/10/2005	9:00	37.40	27.8	3.80	3.83	3.68	58.5	58.4	32.4	3.6	3.6	23.0	10.0
717	WFCZR1	B	MID-FLOOD	18/10/2005			27.7	3.88	3.87	3.88	59.1	57.4	32.4	2.3	2.5	12.0	7.3
718	WFCZR2	S	MID-FLOOD	18/10/2005			27.9	3.68	3.70		55.3	55.8	32.8	4.0	4.0	15.0	19.0
719	WFCZR2	M	MID-FLOOD	18/10/2005	9:56	40.90	27.8	3.66	3.64	3.67	55.0	55.1	32.8	4.2	4.2	13.0	9.0
720	WFCZR2	B	MID-FLOOD	18/10/2005			27.8	3.61	3.54	3.58	53.6	55.2	32.1	2.8	2.9	23.0	9.0
721	WWA1	S	MID-EBB	20/10/2005			27.6	4.02	3.98		52.8	52.3	32.2	6.0	6.0	13.0	14.0
722	WWA1	M	MID-EBB	20/10/2005	14:43	14.80	27.5	3.38	3.40	3.70	51.2	51.8	32.2	7.2	7.2	13.0	18.0
723	WWA1	B	MID-EBB	20/10/2005			27.4	3.36	3.41	3.39	50.6	50.8	32.2	4.5	4.5	17.0	12.0
724	WWA2	S	MID-EBB	20/10/2005			27.6	3.39	3.45		51.3	51.0	32.2	5.5	5.5	19.0	18.0
725	WWA2	M	MID-EBB	20/10/2005	14:53	17.90	27.5	3.29	3.32	3.36	50.1	49.8	32.2	4.5	4.5	14.0	20.0
726	WWA2	B	MID-EBB	20/10/2005			27.5	3.32	3.25	3.29	49.4	49.2	32.2	3.9	4.0	16.0	13.0
727	WWA3	S	MID-EBB	20/10/2005			27.6	3.24	3.30		49.5	49.3	32.2	9.2	8.7	13.0	30.0
728	WWA3	M	MID-EBB	20/10/2005	15:03	12.10	27.5	3.21	3.26	3.25	49.1	48.7	32.2	4.1	4.2	24.0	18.0
729	WWA3	B	MID-EBB	20/10/2005			27.5	3.20	3.18	3.19	48.2	48.4	32.2	6.0	6.0	16.0	17.0
730	WRA1	S	MID-EBB	20/10/2005			27.6	3.67	3.70		56.1	56.3	32.1	5.0	5.0	7.3	16.0
731	WRA1	M	MID-EBB	20/10/2005	14:31	26.40	27.6	3.62	3.68	3.67	55.9	55.8	32.2	5.8	5.8	16.0	20.0
732	WRA1	B	MID-EBB	20/10/2005			27.5	3.60	3.57	3.59	54.2	54.8	32.2	3.7	3.7	19.0	23.0
733	WRA2	S	MID-EBB	20/10/2005			27.6	3.49	3.40		51.4	51.5	32.2	5.5	5.5	22.0	16.0
734	WRA2	M	MID-EBB	20/10/2005	14:20	28.10	27.6	3.43	3.33	3.41	50.9	50.8	32.2	8.4	8.3	20.0	26.0
735	WRA2	B	MID-EBB	20/10/2005			27.6	3.32	3.29	3.31	50.1	49.9	32.2	4.8	4.9	24.0	23.0
736	WRA3	S	MID-EBB	20/10/2005			27.7	3.66	3.61		54.7	54.8	32.2	5.0	5.0	17.0	24.0
737	WRA3	M	MID-EBB	20/10/2005	14:10	23.00	27.6	3.51	3.50	3.57	53.1	53.4	32.2	5.7	5.7	14.0	20.0
738	WRA3	B	MID-EBB	20/10/2005			27.6	3.52	3.32	3.42	50.5	50.7	32.1	3.6	3.7	8.7	7.7

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L	Average value	DO, % saturation	Salinity, ppt	Turbidity, NTU	Averaged Value	Sa	Sb	Averaged Value	
739	WWFCZ1	S	MID-EBB	20/10/2005			27.5	3.70	3.73		56.6	56.7	32.2	3.3	3.3	24.0	17.0
740	WWFCZ1	M	MID-EBB	20/10/2005	13:27	36.20	27.5	3.68	3.67	3.70	55.7	56.0	32.2	4.3	4.3	22.0	17.0
741	WWFCZ1	B	MID-EBB	20/10/2005			27.5	3.71	3.68	3.70	56.2	55.4	32.2	6.1	6.2	21.0	11.0
742	WWFCZ2	S	MID-EBB	20/10/2005			27.5	3.52	3.49		53.6	52.8	32.2	4.0	4.1	22.0	18.0
743	WWFCZ2	M	MID-EBB	20/10/2005	13:41	42.60	27.5	3.72	3.70	3.61	56.1	56.2	32.2	5.2	5.2	19.0	19.0
744	WWFCZ2	B	MID-EBB	20/10/2005			27.5	3.66	3.67	3.67	55.7	55.2	32.2	6.1	6.1	23.0	17.0
745	WFCZR1	S	MID-EBB	20/10/2005			27.7	4.01	3.97		60.4	60.0	32.0	4.8	4.8	13.0	21.0
746	WFCZR1	M	MID-EBB	20/10/2005	13:00	39.00	27.7	3.95	3.91	3.96	59.4	59.1	32.0	5.0	5.1	14.0	12.0
747	WFCZR1	B	MID-EBB	20/10/2005			27.6	4.07	4.11	4.09	61.9	62.5	32.0	4.0	4.0	25.0	24.0
748	WFCZR2	S	MID-EBB	20/10/2005			27.7	3.59	3.57		54.9	54.4	32.2	5.2	5.2	28.0	11.0
749	WFCZR2	M	MID-EBB	20/10/2005	13:52	41.80	27.5	3.58	3.65	3.60	53.2	53.7	32.2	3.8	3.8	14.0	21.0
750	WFCZR2	B	MID-EBB	20/10/2005			27.5	3.60	3.57	3.59	54.1	53.7	32.2	5.6	5.6	22.0	15.0
751	WWA1	S	MID-FLOOD	20/10/2005			27.5	3.26	3.25		49.3	50.0	32.0	4.1	4.1	11.0	17.0
752	WWA1	M	MID-FLOOD	20/10/2005	11:00	9.30	27.5	3.23	3.26	3.25	48.8	48.9	31.0	5.8	5.8	20.0	14.0
753	WWA1	B	MID-FLOOD	20/10/2005			27.5	3.29	3.22	3.26	48.8	48.5	31.1	3.9	3.9	17.0	15.0
754	WWA2	S	MID-FLOOD	20/10/2005			27.5	3.27	3.23		48.2	49.9	32.2	3.3	3.3	6.7	9.0
755	WWA2	M	MID-FLOOD	20/10/2005	11:13	9.80	27.4	3.29	3.21	3.25	50.3	50.7	31.1	4.8	4.9	35.0	27.0
756	WWA2	B	MID-FLOOD	20/10/2005			27.5	3.18	3.19	3.19	47.4	47.8	31.2	3.1	3.2	15.0	13.0
757	WWA3	S	MID-FLOOD	20/10/2005			27.6	3.77	3.72		54.7	54.0	31.5	7.2	7.2	12.0	22.0
758	WWA3	M	MID-FLOOD	20/10/2005	11:28	8.00	27.5	3.59	3.61	3.67	54.0	54.2	32.0	5.0	5.0	13.0	20.0
759	WWA3	B	MID-FLOOD	20/10/2005			27.5	3.58	3.56	3.57	54.7	54.3	32.0	4.2	4.3	17.0	23.0
760	WRA1	S	MID-FLOOD	20/10/2005			27.5	3.37	3.74		50.4	50.2	32.2	7.1	7.1	19.0	18.0
761	WRA1	M	MID-FLOOD	20/10/2005	10:44	22.00	27.4	3.34	3.30	3.44	50.1	50.3	32.1	5.8	5.7	16.0	25.0
762	WRA1	B	MID-FLOOD	20/10/2005			27.4	3.31	3.39	3.35	50.1	53.4	32.1	3.3	3.2	14.0	18.0
763	WRA2	S	MID-FLOOD	20/10/2005			27.5	3.41	3.38		51.4	51.4	32.0	4.3	4.3	13.0	13.0
764	WRA2	M	MID-FLOOD	20/10/2005	10:30	24.30	27.3	3.45	3.46	3.43	52.4	52.8	32.0	5.9	5.9	20.0	22.0
765	WRA2	B	MID-FLOOD	20/10/2005			27.3	3.54	3.58	3.56	53.4	53.9	32.0	3.4	3.4	14.0	14.0
766	WRA3	S	MID-FLOOD	20/10/2005			27.5	3.37	3.40		53.7	52.6	32.1	6.5	6.5	27.0	21.0
767	WRA3	M	MID-FLOOD	20/10/2005	10:13	20.70	27.5	3.47	3.42	3.42	52.1	57.7	32.1	3.8	3.9	25.0	19.0
768	WRA3	B	MID-FLOOD	20/10/2005			27.5	3.41	3.44	3.43	51.9	57.5	32.1	2.9	3.0	25.0	17.0
769	WWFCZ1	S	MID-FLOOD	20/10/2005			27.4	3.73	3.71		54.7	55.9	32.0	4.3	4.2	20.0	28.0
770	WWFCZ1	M	MID-FLOOD	20/10/2005	9:26	33.80	27.4	3.60	3.59	3.66	54.5	55.0	32.1	3.3	3.4	33.0	40.0
771	WWFCZ1	B	MID-FLOOD	20/10/2005			27.4	3.61	3.65	3.63	54.7	54.0	32.1	3.0	3.1	18.0	18.0
772	WWFCZ2	S	MID-FLOOD	20/10/2005			27.5	3.43	3.46		50.9	51.5	32.2	5.9	5.9	17.0	20.0
773	WWFCZ2	M	MID-FLOOD	20/10/2005	9:43	30.20	27.5	3.54	3.64	3.52	55.2	54.5	32.4	4.2	4.2	16.0	18.0
774	WWFCZ2	B	MID-FLOOD	20/10/2005			27.4	3.74	3.55	3.65	53.8	53.7	32.2	6.4	6.4	19.0	22.0
775	WFCZR1	S	MID-FLOOD	20/10/2005			27.4	3.46	3.47		52.1	52.3	32.0	5.9	5.8	15.0	15.0
776	WFCZR1	M	MID-FLOOD	20/10/2005	9:00	30.70	27.										

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L	Average value	DO, % saturation	Salinity, ppt	Turbidity, NTU	Averaged Value	Sa	Sb	Averaged Value		
778	WFCZR2	S	MID-FLOOD	20/10/2005			27.5	3.37	3.53	53.1	54.9	32.1	4.8	4.8	15.0	19.0		
779	WFCZR2	M	MID-FLOOD	20/10/2005	9:57	34.10	27.5	3.47	3.48	3.46	52.6	52.7	32.1	5.8	5.7	24.0	19.0	
780	WFCZR2	B	MID-FLOOD	20/10/2005			27.5	3.43	3.48	3.46	51.0	52.7	32.1	2.7	2.7	23.0	19.0	
781	WWA1	S	MID-EBB	22/10/2005			27.3	3.81	3.86		57.6	58.1	32.0	5.2	5.2	8.0	19.0	
782	WWA1	M	MID-EBB	22/10/2005	14:58	12.50	27.3	3.92	3.87	3.87	58.5	58.0	31.0	7.5	7.4	12.0	13.0	
783	WWA1	B	MID-EBB	22/10/2005			27.3	3.71	3.79	3.75	57.1	56.7	32.0	4.6	4.5	9.7	7.7	
784	WWA2	S	MID-EBB	22/10/2005			27.3	3.81	3.86		58.1	57.2	32.0	4.6	4.7	11.0	13.0	
785	WWA2	M	MID-EBB	22/10/2005	15:13	10.80	27.3	3.89	3.89	3.86	57.5	59.2	32.0	5.9	5.9	17.0	14.0	
786	WWA2	B	MID-EBB	22/10/2005			27.2	3.82	3.83	3.83	58.6	58.2	31.9	9.1	9.2	17.0	20.0	
787	WWA3	S	MID-EBB	22/10/2005			27.2	4.15	3.87		59.0	57.4	32.0	7.2	7.2	23.0	12.0	
788	WWA3	M	MID-EBB	22/10/2005	15:24	9.80	27.3	3.96	3.87	3.96	57.4	57.6	32.0	5.6	5.6	18.0	18.0	
789	WWA3	B	MID-EBB	22/10/2005			27.8	3.88	3.89	3.89	58.5	58.0	32.2	6.9	7.0	6.6	15.0	21.0
790	WRA1	S	MID-EBB	22/10/2005			27.2	3.73	3.95		59.4	57.3	31.9	4.1	4.2	10.0	11.0	
791	WRA1	M	MID-EBB	22/10/2005	14:39	23.90	27.3	3.85	3.89	3.86	55.5	56.7	31.9	6.0	6.0	12.0	26.0	
792	WRA1	B	MID-EBB	22/10/2005			27.2	3.87	3.90	3.89	59.9	55.5	31.9	8.6	8.7	6.3	21.0	15.0
793	WRA2	S	MID-EBB	22/10/2005			27.2	3.84	3.93		57.0	57.8	31.9	8.2	8.2	19.0	24.0	
794	WRA2	M	MID-EBB	22/10/2005	14:29	27.30	27.2	3.81	3.80	3.85	57.4	57.3	32.0	3.2	3.2	28.0	10.0	
795	WRA2	B	MID-EBB	22/10/2005			27.2	8.79	3.78	6.29	57.6	58.3	31.9	6.0	6.0	5.8	29.0	24.0
796	WRA3	S	MID-EBB	22/10/2005			27.2	3.90	3.88		58.4	57.9	31.8	5.9	5.9	19.0	21.0	
797	WRA3	M	MID-EBB	22/10/2005	14:13	28.00	27.2	3.59	3.57	3.74	53.9	55.2	31.9	3.8	3.9	13.0	20.0	
798	WRA3	B	MID-EBB	22/10/2005			27.2	3.56	3.53	3.55	55.1	56.1	31.9	2.4	2.5	4.1	17.0	9.7
799	WWFCZ1	S	MID-EBB	22/10/2005			27.2	4.37	4.39		66.4	64.6	31.5	4.1	4.1	28.0	23.0	
800	WWFCZ1	M	MID-EBB	22/10/2005	13:28	40.60	27.2	4.20	4.22	4.30	63.4	62.3	31.6	4.0	3.9	29.0	20.0	
801	WWFCZ1	B	MID-EBB	22/10/2005			27.2	4.23	4.24	4.24	63.7	62.7	31.7	6.7	6.7	4.9	26.0	22.0
802	WWFCZ2	S	MID-EBB	22/10/2005			27.2	4.25	4.07		62.1	62.0	32.1	4.0	4.0	13.0	15.0	
803	WWFCZ2	M	MID-EBB	22/10/2005	13:46	43.50	27.2	4.77	3.99	4.27	61.5	59.9	32.1	5.2	5.2	16.0	15.0	
804	WWFCZ2	B	MID-EBB	22/10/2005			27.2	3.98	4.09	4.04	60.6	60.2	31.7	5.0	5.1	4.7	10.0	14.0
805	WFCZR1	S	MID-EBB	22/10/2005			27.2	4.53	4.63		69.4	69.0	31.9	3.4	3.5	15.0	17.0	
806	WFCZR1	M	MID-EBB	22/10/2005	13:00	34.00	27.2	5.05	4.84	4.76	75.3	73.6	31.5	5.5	5.4	13.0	16.0	
807	WFCZR1	B	MID-EBB	22/10/2005			27.2	4.38	4.33	4.36	64.8	65.8	31.6	4.8	5.0	4.6	23.0	22.0
808	WFCZR2	S	MID-EBB	22/10/2005			27.2	3.74	3.76		56.0	56.5	32.0	4.1	4.0	15.0	16.0	
809	WFCZR2	M	MID-EBB	22/10/2005	13:59	44.10	27.2	3.82	3.83	3.79	57.2	57.8	32.1	4.0	3.9	20.0	9.0	
810	WFCZR2	B	MID-EBB	22/10/2005			27.2	3.93	3.84	3.89	59.2	57.9	32.0	6.7	6.7	4.9	12.0	16.0
811	WWA1	S	MID-FLOOD	22/10/2005			27.4	3.97	3.92		58.6	58.4	32.3	5.4	5.5	17.0	13.0	
812	WWA1	M	MID-FLOOD	22/10/2005	10:59	11.60	27.3	3.83	3.86	3.90	58.6	58.3	32.3	8.6	8.7	13.0	13.0	
813	WWA1	B	MID-FLOOD	22/10/2005			27.4	3.87	3.89	3.88	58.9	58.6	32.3	3.7	3.6	5.9	15.0	16.0
814	WWA2	S	MID-FLOOD	22/10/2005			27.4	4.08	3.99		58.8	58.7	32.3	5.8	5.7	21.0	29.0	
815	WWA2	M	MID-FLOOD	22/10/2005	11:14	9.30	27.4	4.03	4.02	4.03	59.9	59.0	32.3	4.9	4.9	27.0	22.0	
816	WWA2	B	MID-FLOOD	22/10/2005			27.4	4.02	3.90	3.96	59.4	59.0	32.3	8.1	8.1	6.2	16.0	21.0

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L	Average value	DO, % saturation	Salinity, ppt	Turbidity, NTU	Averaged Value	Sa	Sb	Averaged Value		
817	WWA3	S	MID-FLOOD	22/10/2005			27.3	4.08	4.01	59.7	57.5	32.3	6.5	6.6	14.0	8.7		
818	WWA3	M	MID-FLOOD	22/10/2005	11:29	8.50	27.3	3.85	3.82	3.94	58.1	57.8	32.3	3.5	3.5	14.0	13.0	
819	WWA3	B	MID-FLOOD	22/10/2005			27.3	3.74	3.86	3.80	57.9	58.4	32.3	2.2	2.2	14.0	11.0	
820	WRA1	S	MID-FLOOD	22/10/2005			27.3	4.01	4.02		59.6	59.5	32.3	4.3	4.4	22.0	22.0	
821	WRA1	M	MID-FLOOD	22/10/2005	10:38	20.40	27.3	3.85	3.81	3.92	57.7	57.7	32.3	6.4	6.5	24.0	27.0	
822	WRA1	B	MID-FLOOD	22/10/2005			27.3	3.89	3.77	3.83	57.0	56.8	32.3	2.7	2.7	4.5	30.0	17.0
823	WRA2	S	MID-FLOOD	22/10/2005			27.4	3.93	4.01		60.2	59.8	32.3	7.2	7.2	17.0	16.0	
824	WRA2	M	MID-FLOOD	22/10/2005	10:27	23.70	27.3	4.03	3.87	3.96	59.5	60.3	32.3	4.4	4.4	13.0	19.0	
825	WRA2	B	MID-FLOOD	22/10/2005			27.3	3.96	3.98	3.97	58.6	58.2	32.3	7.0	7.0	6.2	19.0	26.0
826	WRA3	S	MID-FLOOD	22/10/2005			27.3	4.27	4.16		60.8	60.5	30.3	6.8	6.8	17.0	18.0	
827	WRA3	M	MID-FLOOD	22/10/2005	10:15	24.10	27.3	4.04	4.01	4.12	59.4	59.5	32.3	4.7	4.7	14.0	19.0	
828	WRA3	B	MID-FLOOD	22/10/2005			27.3	4.03	4.07	4.05	59.7	59.6	32.3	2.4	2.5	4.7	20.0	15.0
829	WWFCZ1	S	MID-FLOOD	22/10/2005			27.3	4.09	4.06		61.8	61.3	32.4	4.2	4.1	26.0	25.0	
830	WWFCZ1	M	MID-FLOOD	22/10/2005	9:24	38.90	27.3	3.96	3.97	4.02	60.0	60.6	32.2	3.0	3.0	19.0	20.0	
831	WWFCZ1	B	MID-FLOOD	22/10/2005			27.3	4.11	4.09	4.10	61.4	59.2	32.4	3.9	3.9	3.7	23.0	17.0
832	WWFCZ2	S	MID-FLOOD	22/10/2005			27.2	4.22	4.21		63.5	61.9	32.3	5.6	5.6	17.0	8.3	
833	WWFCZ2	M	MID-FLOOD	22/10/2005	9:40	42.00	27.2	3.93	4.03	4.10	61.1	60.5	32.3	4.5	4.9	17.0	24.0	
834	WWFCZ2	B	MID-FLOOD	22/10/2005			27.2	4.04	4.00	4.02	60.4	60.5	32.7	4.2	4.2	4.8	18.0	17.0
835	WFCZR1	S	MID-FLOOD	22/10/2005			27.3	4.75	4.63		69.9	68.2	32.2	6.2	6.3	12.0	13.0	
836	WFCZR1	M	MID-FLOOD	22/10/2005	9:00	31.50	27.3	4.47	4.21	4.52	64.7	63.7	30.3	3.1	3.1	8.7	12.0	
837	WFCZR1	B	MID-FLOOD	22/10/2005			27.3	4.27	4.25	4.26	64.3	63.5	32.5	2.9	2.9	4.1	13.0	16.0
838	WFCZR2	S	MID-FLOOD	22/10/2005			27.4	4.07	4.12		62.2	61.8	31.8	7.0	7.0	15.0	13.0	
839	WFCZR2	M	MID-FLOOD	22/10/2005	10:00	41.30	27.3	4.03	4.01	4.06	60.9	59.8	32.1	5.5	5.5	11.0	13.0	
840	WFCZR2	B	MID-FLOOD	22/10/2005			27.3	4.03	3.98	4.01	58.9	59.3	32.2	7.5	7.5	6.7	12.0	17.0
841	WWA1	S	MID-EBB	24/10/2005			26.5	3.41	3.57		53.3	53.9	32.1	7.1	7.1	5.3	7.7	
842	WWA1	M	MID-EBB	24/10/2005	10:48	7.60	26.5	3.45	3.48	3.48	51.1	51.6	32.1	6.3	6.2	8.7	12.0	
843	WWA1	B	MID-EBB	24/10/2005			26.5	3.50	3.40	3.45	51.7	50.9	32.1	3.7	3.5	5.6	8.0	8.3
844	WWA2	S	MID-EBB	24/10/2005			26.5	3.80	3.77		56.1	56.8	32.0	5.2	5.3	17.0	10.0	
845	WWA2	M	MID-EBB	24/10/2005	11:00	8.00	26.6	3.66	3.65	3.72	54.7	54.5	32.0	7.0	7.1	27.0	15.0	
846	WWA2	B	MID-EBB	24/10/2005			26.5	3.56	3.51	3.54	52.1	52.5	32.1	2.5	2.5	4.9	14.0	16.0
847	WWA3	S	MID-EBB	24/10/2005			26.7	3.95	3.74		57.1	56.6	32.3	6.1	6.2	17.0	19.0	
848	WWA3	M	MID-EBB	24/10/2005	11:14	7.00	26.7	3.67	3.64	3.75	55.4	54.4	32.4	4.3	4.4	10.0	8.7	
849	WWA3	B	MID-EBB	24/10/2005			26.7	3.56	3.67	3.62	53.9	54.5	32.3	3.2	3.2	4.6	14.0	12.0
850	WRA1	S	MID-EBB	24/10/2005			26.5	3.88	3.84		57.1	55.9	32.0	9.1	9.1	10.0	11.0	
851	WRA1	M	MID-EBB	24/10/2005	10:34	25.40	26.5	3.83	3.85	3.85	57.3	57.2	32.0	4.7	4.7	16.0	6.3	
852	WRA1	B	MID-EBB	24/10/2005			26.7	3.85	3.62	3.74	52.5	51.1	32.4	2.2	2.2	5.3	7.7	12.0
853	WRA2	S	MID-EBB	24/10/2005		</												

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L		Average value	DO, % saturation		Salinity, ppt	Turbidity, NTU		Averaged Value	Sa	Sb	Averaged Value	
856	WRA3	S	MID-EBB	24/10/2005	10:10	22.10	26.5	3.97	4.00	4.02	59.6	58.9	31.9	5.0	5.1	4.4	24.0	13.0	12.8	
857	WRA3	M	MID-EBB	24/10/2005			26.5	4.07	4.02		58.9	59.6	32.1	4.1	4.2		11.0	8.3		
858	WRA3	B	MID-EBB	24/10/2005			26.4	3.58	3.57		53.4	54.5	32.4	3.9	4.0		11.0	16.0		
859	WWFCZ1	S	MID-EBB	24/10/2005			26.5	4.03	4.07		60.7	60.9	32.1	5.6	5.7		11.0	23.0		
860	WWFCZ1	M	MID-EBB	24/10/2005			26.6	3.88	3.93		58.0	59.7	32.2	5.3	5.4		17.0	8.7		14.5
861	WWFCZ1	B	MID-EBB	24/10/2005			26.6	3.93	3.87		57.0	58.5	32.3	4.2	4.2		8.7	9.3		
862	WWFCZ2	S	MID-EBB	24/10/2005	9:40	35.30	26.5	3.97	3.95	3.99	61.9	59.9	32.0	9.3	9.4	7.1	15.0	15.0	12.8	
863	WWFCZ2	M	MID-EBB	24/10/2005			26.4	4.03	4.00		59.1	59.7	32.0	5.5	5.5		14.0	15.0		
864	WWFCZ2	B	MID-EBB	24/10/2005			26.5	3.59	3.60		53.8	54.7	32.2	6.3	6.4		7.3	8.2		
865	WFCZR1	S	MID-EBB	24/10/2005			26.6	4.54	4.56		64.9	67.7	32.2	7.9	8.0		12.0	10.0		
866	WFCZR1	M	MID-EBB	24/10/2005			26.5	3.98	4.08		61.8	63.7	32.2	9.2	9.1		12.0	13.0		10.4
867	WFCZR1	B	MID-EBB	24/10/2005			26.5	4.11	4.09		60.7	60.8	32.2	6.3	6.2		14.0	11.0		
868	WFCZR2	S	MID-EBB	24/10/2005	9:55	30.80	26.8	3.65	3.66	3.74	59.7	57.0	32.4	4.9	4.9	4.4	13.0	17.0	14.7	
869	WFCZR2	M	MID-EBB	24/10/2005			26.8	3.89	3.74		57.1	56.1	32.4	5.4	5.3		14.0	19.0		
870	WFCZR2	B	MID-EBB	24/10/2005			26.8	3.78	3.73		56.6	55.8	32.4	3.0	3.0		11.0	11.0		
871	WWA1	S	MID-FLOOD	24/10/2005			26.9	3.80	3.75		55.9	54.2	32.7	3.6	3.5		8.3	14.0		
872	WWA1	M	MID-FLOOD	24/10/2005			26.9	3.67	3.63		54.7	54.8	32.6	3.1	3.2		9.3	9.3		12.5
873	WWA1	B	MID-FLOOD	24/10/2005			26.9	3.57	3.51		53.4	53.2	32.7	4.1	4.1		7.7	10.0		
874	WWA2	S	MID-FLOOD	24/10/2005	16:04	12.10	26.9	3.73	3.72	3.75	56.0	55.5	32.6	3.1	3.1	4.5	21.0	24.0	14.8	
875	WWA2	M	MID-FLOOD	24/10/2005			26.9	3.71	3.82		56.2	56.0	32.7	5.7	5.7		13.0	13.0		
876	WWA2	B	MID-FLOOD	24/10/2005			26.9	3.68	3.72		54.4	54.6	32.6	4.8	4.9		11.0	11.0		
877	WWA3	S	MID-FLOOD	24/10/2005			26.9	3.93	3.72		56.6	56.2	32.6	6.5	6.5		18.0	12.0		
878	WWA3	M	MID-FLOOD	24/10/2005			26.9	3.90	3.79		56.0	56.2	32.6	4.5	4.5		13.0	17.0		13.7
879	WWA3	B	MID-FLOOD	24/10/2005			26.9	3.68	3.69		55.2	55.6	32.6	3.0	3.1		11.0	12.0		
880	WRA1	S	MID-FLOOD	24/10/2005	15:46	26.40	26.9	3.62	3.54	3.59	53.3	53.4	32.7	3.1	3.1	4.9	21.0	14.0	18.0	
881	WRA1	M	MID-FLOOD	24/10/2005			26.9	3.60	3.61		52.7	52.9	32.7	7.0	7.0		18.0	18.0		
882	WRA1	B	MID-FLOOD	24/10/2005			26.9	3.50	3.38		50.8	52.7	32.7	4.5	4.5		10.0	11.0		
883	WRA2	S	MID-FLOOD	24/10/2005			26.9	3.72	3.79		55.4	56.0	32.8	7.2	7.3		16.0	13.0		14.3
884	WRA2	M	MID-FLOOD	24/10/2005			26.9	3.73	3.78		57.0	55.9	32.7	4.9	5.0		18.0	22.0		
885	WRA2	B	MID-FLOOD	24/10/2005			26.9	3.71	3.55		53.6	54.4	32.7	3.4	3.4		26.0	17.0		
886	WRA3	S	MID-FLOOD	24/10/2005	15:22	3.71	26.9	4.03	4.11	3.92	60.1	58.9	32.7	4.1	4.2	4.4	14.0	17.0	19.0	
887	WRA3	M	MID-FLOOD	24/10/2005			26.9	3.78	3.75		56.5	55.8	32.7	6.0	6.1		9.7	12.0		
888	WRA3	B	MID-FLOOD	24/10/2005			26.8	3.94	3.74		56.7	56.1	32.7	3.1	3.1		12.0	11.0		
889	WWFCZ1	S	MID-FLOOD	24/10/2005			26.9	3.97	4.04		60.7	60.9	32.6	5.0	4.9		13.0	13.0		11.8
890	WWFCZ1	M	MID-FLOOD	24/10/2005			26.9	4.27	4.19		64.1	62.9	31.1	3.8	3.9		14.0	12.0		
891	WWFCZ1	B	MID-FLOOD	24/10/2005			26.9	4.12	4.06		62.0	1.8	31.1	7.9	8.0		13.0	17.0		
892	WWFCZ2	S	MID-FLOOD	24/10/2005	13:48	40.20	27.0	3.79	3.82	3.81	56.6	56.7	32.7	4.8	4.6	5.6	19.0	12.0	14.5	
893	WWFCZ2	M	MID-FLOOD	24/10/2005			26.9	3.80	3.82		58.1	57.1	32.7	6.2	6.3		19.0	12.0		
894	WWFCZ2	B	MID-FLOOD	24/10/2005			26.8	3.76	3.73		56.1	57.0	32.7	5.8	5.7					

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L		Average value	DO, % saturation		Salinity, ppt	Turbidity, NTU		Averaged Value	Sa	Sb	Averaged Value
895	WFCZR1	S	MID-FLOOD	24/10/2005	13:00	35.40	26.9	4.48	4.45	4.40	67.0	65.2	32.7	5.9	5.9	5.4	18.0	26.0	20.0
896	WFCZR1	M	MID-FLOOD	24/10/2005			26.9	4.39	4.26		63.6	63.5	32.7	4.3	4.3		16.0	18.0	
897	WFCZR1	B	MID-FLOOD	24/10/2005			26.9	4.23	4.14		62.5	64.0	32.7	6.0	6.1		22.0	20.0	
898	WFCZR2	S	MID-FLOOD	24/10/2005			26.9	3.93	3.81		57.2	57.3	32.4	3.0	3.0		9.0	10.0	
899	WFCZR2	M	MID-FLOOD	24/10/2005			26.9	3.83	3.82		57.7	58.2	32.4	5.0	5.0		20.0	24.0	
900	WFCZR2	B	MID-FLOOD	24/10/2005			26.9	3.71	3.77		56.9	56.7	32.5	3.9	3.9		29.0	32.0	
901	WWA1	S	MID-EBB	26/10/2005	10:43	10.60	26.6	3.61	3.69	3.74	58.1	59.6	32.1	3.8	3.7	3.3	14.0	9.7	12.3
902	WWA1	M	MID-EBB	26/10/2005			26.6	3.78	3.86		56.5	56.2	32.2	2.6	2.5		18.0	8.3	
903	WWA1	B	MID-EBB	26/10/2005			26.5	3.74	3.82		58.0	58.8	32.2	3.6	3.6		13.0	11.0	
904	WWA2	S	MID-EBB	26/10/2005			26.6	3.67	3.57		55.6	57.1	32.0	2.8	2.9		15.0	7.0	
905	WWA2	M	MID-EBB	26/10/2005			26.5	3.74	3.80		55.4	56.0	32.2	2.7	2.8		15.0	26.0	
906	WWA2	B	MID-EBB	26/10/2005			26.5	3.64	3.64		55.2	56.8	32.3	2.4	2.5		13.0	7.0	
907	WWA3	S	MID-EBB	26/10/2005	11:06	8.80	26.7	4.02	4.00	3.98	57.9	57.6	32.1	3.0	2.9	2.9	8.0	13.0	11.8
908	WWA3	M	MID-EBB	26/10/2005			26.7	3.97	3.91		55.4	55.4	32.2	2.8	2.9		11.0	14.0	
909	WWA3	B	MID-EBB	26/10/2005			26.6	3.83	3.93		53.7	53.2	32.3	3.0	2.9		13.0	12.0	
910	WRA1	S	MID-EBB	26/10/2005			26.5	3.90	3.87		57.5	56.2	32.1	2.9	2.8		16.0	13.0	
911	WRA1	M	MID-EBB	26/10/2005			26.5	3.87	3.81		57.9	58.4	32.0	4.3	4.4		15.0	9.3	
912	WRA1	B	MID-EBB	26/10/2005			26.4	3.74	3.82		57.6	56.0	32.3	2.2	2.3		20.0	28.0	
913	WRA2	S	MID-EBB	26/10/2005	10:21	21.00	26.6	3.82	3.81	3.86	57.8	57.5	32.0	3.2	3.2	3.0	10.0	12.0	15.3
914	WRA2	M	MID-EBB	26/10/2005			26.5	3.94	3.88		58.2	58.0	32.2	2.8	2.8		11.0	15.0	
915	WRA2	B	MID-EBB	26/10/2005			26.5	3.69	3.73		56.4	56.9	32.2	3.1	3.1		26.0	18.0	
916	WRA3	S	MID-EBB	26/10/2005			26.5	3.88	3.96		60.3	60.9	32.0	2.0	2.0		15.0	9.0	
917	WRA3	M	MID-EBB	26/10/2005			26.5	4.12	4.17		61.7	61.7	32.1	1.7	1.7		11.0	14.0	
918	WRA3	B	MID-EBB	26/10/2005			26.4	4.06	4.21		58.6	58.2	32.2	1.7	1.8		7.7	10.0	
919	WWFCZ1	S	MID-EBB	26/10/2005	9:25	30.40	26.6	4.05	4.01	3.93	60.5	60.6	32.2	2.0	2.1	3.6	19.0	16.0	19.3
920	WWFCZ1	M	MID-EBB	26/10/2005			26.5	3.79	3.86		59.2	59.6	32.2	2.5	2.6		20.0	23.0	
921	WWFCZ1	B	MID-EBB	26/10/2005			26.5	3.94	3.81		62.0	62.0	32.2	6.5	6.1		18.0	20.0	
922	WWFCZ2	S	MID-EBB	26/10/2005			26.6	3.91	3.99		61.4	61.0	32.0	2.2	2.1		13.0	16.0	
923	WWFCZ2	M	MID-EBB	26/10/2005			26.5	4.18	4.17		59.7	59.3	32.2	2.5	2.5		14.0	15.0	
924	WWFCZ2	B	MID-EBB	26/10/2005			26.4	3.65	3.58		60.2	60.4	32.3	4.0	4.1		2.9	17.0	
925	WFCZR1	S	MID-EBB	26/10/2005	9:00	26.80	26.6	4.59	4.50	4.30	65.1	66.5	32.2	2.2	2.2	3.7	11.0	11.0	13.2
926	WFCZR1	M	MID-EBB	26/10/2005			26.6	3.99	4.10		63.4	65.0	32.2	4.6	4.6		12.0	14.0	
927																			

Lab ID	Location	Position	Tide	Sampling Date	Time	Water depth, m	Temp. °C	DO, mg/L	Average value	DO, % saturation	Salinity, ppt	Turbidity, NTU	Averaged Value	Sa	Sb	Averaged Value			
934	WWA2	S	MID-FLOOD	26/10/2005	14:45	11.80	27.0	3.83	3.80	57.9	56.4	32.6	1.6	1.6	25.0	8.7			
935	WWA2	M	MID-FLOOD	26/10/2005			26.9	3.74	3.70	3.77	54.7	55.3	32.7	1.8	1.8	19.0		14.0	
936	WWA2	B	MID-FLOOD	26/10/2005			26.7	3.52	3.51	3.52	54.1	54.0	32.7	2.1	2.2	14.0		22.0	17.1
937	WWA3	S	MID-FLOOD	26/10/2005			27.0	3.90	3.97		57.9	56.4	32.6	1.7	1.7	9.3		6.7	
938	WWA3	M	MID-FLOOD	26/10/2005	14:55	11.10	26.9	3.98	3.84	3.92	56.7	56.8	32.7	1.3	1.5	9.7	13.0		
939	WWA3	B	MID-FLOOD	26/10/2005			26.8	3.60	3.52	3.56	55.2	54.7	32.7	2.1	2.0	17.0	10.0		11.0
940	WRA1	S	MID-FLOOD	26/10/2005			27.1	3.72	3.65		54.2	55.6	32.7	1.4	1.5	16.0	22.0		
941	WRA1	M	MID-FLOOD	26/10/2005	14:24	27.60	26.9	3.72	3.60	3.67	53.8	54.0	32.7	1.7	1.6	11.0	9.0		
942	WRA1	B	MID-FLOOD	26/10/2005			26.8	3.54	3.57	3.56	52.1	51.8	32.7	1.7	1.7	22.0	18.0		16.3
943	WRA2	S	MID-FLOOD	26/10/2005	14:10	30.50	27.1	3.81	3.88		57.9	56.3	32.8	1.4	1.4	12.0	12.0		
944	WRA2	M	MID-FLOOD	26/10/2005			27.0	3.79	3.62	3.78	52.7	54.2	32.7	1.6	1.6	6.0	8.3		
945	WRA2	B	MID-FLOOD	26/10/2005			26.8	3.58	3.70	3.64	55.2	54.9	32.6	1.7	1.8	20.0	10.0		11.4
946	WRA3	S	MID-FLOOD	26/10/2005			27.1	3.98	3.97		60.0	59.2	32.7	1.2	1.3	20.0	13.0		
947	WRA3	M	MID-FLOOD	26/10/2005	13:55	30.00	26.9	3.62	3.80	3.84	58.4	57.3	32.8	2.0	1.3	15.0	18.0		
948	WRA3	B	MID-FLOOD	26/10/2005			26.8	3.75	3.79	3.77	57.1	57.2	32.8	1.7	1.8	10.0	12.0		14.7
949	WWFCZ1	S	MID-FLOOD	26/10/2005	13:24	32.80	27.1	4.04	3.97		60.2	61.2	32.2	1.9	1.9	10.0	11.0		
950	WWFCZ1	M	MID-FLOOD	26/10/2005			26.9	4.18	4.26	4.11	63.4	62.9	32.4	1.8	1.9	10.0	16.0		
951	WWFCZ1	B	MID-FLOOD	26/10/2005			26.5	4.10	4.19	4.15	62.0	61.5	32.2	1.6	1.6	10.0	11.0		11.3
952	WWFCZ2	S	MID-FLOOD	26/10/2005	13:40	40.00	27.2	3.86	3.82		57.3	57.9	32.6	1.6	1.6	19.0	15.0		
953	WWFCZ2	M	MID-FLOOD	26/10/2005			26.8	3.94	3.97	3.90	56.4	57.1	32.7	1.7	1.9	17.0	19.0		
954	WWFCZ2	B	MID-FLOOD	26/10/2005			26.5	3.91	3.80	3.86	58.2	58.2	32.6	2.0	2.1	18.0	13.0		16.8
955	WFCZR1	S	MID-FLOOD	26/10/2005	13:00	33.20	27.1	4.50	4.41		69.8	70.4	32.7	2.1	2.2	13.0	8.0		
956	WFCZR1	M	MID-FLOOD	26/10/2005			26.9	4.36	4.40	4.42	70.4	70.1	32.8	1.6	1.6	16.0	14.0		
957	WFCZR1	B	MID-FLOOD	26/10/2005			26.9	4.20	4.27	4.24	63.5	64.8	32.8	1.9	1.9	19.0	27.0		16.2
958	WFCZR2	S	MID-FLOOD	26/10/2005	14:59	36.50	27.1	4.13	4.00		59.5	58.0	32.3	2.0	2.1	12.0	10.0		
959	WFCZR2	M	MID-FLOOD	26/10/2005			26.9	3.92	3.87	3.98	58.3	58.0	32.4	2.9	2.9	10.0	17.0		
960	WFCZR2	B	MID-FLOOD	26/10/2005			26.8	3.79	3.74	3.77	57.5	58.4	32.4	1.8	1.9	20.0	16.0		14.2

Appendix E

Marine water quality
QA/QC results

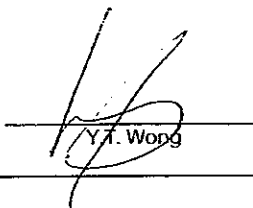
QC REPORT

Project Name : Marine Water Quality Monitoring at Tsing Lung Tau
 Client Name : Ove Arup & Partners Hong Kong Ltd
 Contract No. : N/A
 Lab. Sample Ref. No. : 15953, 15962, 15970, 16005, 16083, 16021, 16029, 16051, 16054, 16078, 16096, 16111
 16136, 16148, 16167

Parameter: TSS

Lab Sample Ref. No.	Batch	Sample Duplicate (Relative percentage deviation)	Quality Control Standard %	Method Blank mg/L
15953/1	1	1.1	98	<1
15953/21	2	7.4	102	<1
15953/41	3	10	102	<1
15953/61	4	9.2	96	<1
15953/81	5	2.7	95	<1
15953/101	6	8.3	96	<1
15962/1	7	1.5	98	<1
15962/21	8	0.7	103	<1
15962/41	9	10	95	<1
15962/61	10	5.1	104	<1
15962/81	11	10	98	<1
15962/101	12	7.4	104	<1
15970/1	13	3.3	100	<1
15970/21	14	2.4	101	<1
15970/41	15	2.7	94	<1
15970/61	16	14	105	<1
15970/81	17	16	103	<1
15970/101	18	4.7	101	<1
16005/1	19	12	100	<1
16005/21	20	5.6	94	<1
16005/41	21	12	101	<1
16005/61	22	0.0	103	<1
16005/81	23	11	99	<1
16005/101	24	7.4	101	<1
16005/121	25	7.7	102	<1
16005/141	26	2.7	94	<1
16005/161	27	0.0	101	<1
16005/181	28	9.1	100	<1
16005/201	29	5.7	101	<1
16005/221	30	1.2	95	<1
Control Limits		+/- 20 % of the mean	80-120%	<1

Approved Signatory :



Y.T. Wong

Date: 6 Jan. 06

Remark :

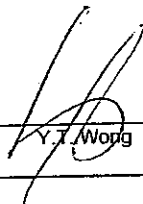
QC REPORT

Project Name : Marine Water Quality Monitoring at Tsing Lung Tau
 Client Name : Ove Arup & Partners Hong Kong Ltd
 Contract No. : N/A
 Lab. Sample Ref. No. : 15953, 15962, 15970, 16005, 16083, 16021, 16029, 16051, 16054, 16078, 16096, 16111
 16136, 16148, 16167

Parameter: TSS

Lab Sample Ref. No.	Batch	Sample Duplicate	Quality Control Standard	Method Blank
		(Relative percentage deviation)	%	mg/L
16083/1	31	17	103	<1
16083/21	32	6.5	102	<1
16083/41	33	19	101	<1
16083/61	34	3.9	103	<1
16083/81	35	6.9	96	<1
16083/101	36	9.5	103	<1
16021/1	37	8.3	101	<1
16021/21	38	8.0	95	<1
16021/41	39	13	103	<1
16021/61	40	16	101	<1
16021/81	41	6.5	94	<1
16021/101	42	18	102	<1
16029/1	43	14	101	<1
16029/21	44	13	102	<1
16029/41	45	17	100	<1
16029/61	46	4.7	94	<1
16029/81	47	7.1	104	<1
16029/101	48	3.8	103	<1
16051/1	49	15	95	<1
16051/21	50	5.3	102	<1
16051/41	51	6.1	101	<1
16051/61	52	5.7	101	<1
16051/81	53	0.0	101	<1
16051/101	54	6.7	95	<1
16051/121	55	8.7	101	<1
16051/141	56	14	94	<1
16051/161	57	12	102	<1
16051/181	58	11	104	<1
16054/1	59	4.4	97	<1
16054/21	60	19	103	<1
Control Limits		+/- 20 % of the mean	80-120%	<1

Approved Signatory



Y.T. Wong

Date: 6 Jan. 06

Remark(s)

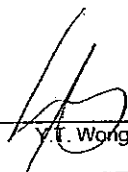
QC REPORT

Project Name : Marine Water Quality Monitoring at Tsing Lung Tau
 Client Name : Ove Arup & Partners Hong Kong Ltd
 Contract No. : N/A
 Lab. Sample Ref. No. : 15953, 15962, 15970, 16005, 16083, 16021, 16029, 16051, 16054, 16078, 16096, 16111
 16136, 16148, 16167

Parameter: TSS

Lab Sample Ref. No.	Batch	Sample Duplicate		Quality Control Standard	Method Blank
		(Relative percentage deviation)		%	mg/L
16054/41	61	11		100	<1
16054/61	62	7.7		95	<1
16054/81	63	15		105	<1
16054/101	64	18		103	<1
16054/121	65	5.0		101	<1
16054/141	66	14		96	<1
16054/161	67	2.8		96	<1
16054/181	68	15		99	<1
16078/1	69	16		102	<1
16078/21	70	12		101	<1
16078/41	71	6.1		103	<1
16078/61	72	2.5		102	<1
16078/81	73	17		96	<1
16078/101	74	8.0		103	<1
16078/121	75	13		103	<1
16078/141	76	3.6		102	<1
16078/161	77	7.4		99	<1
16078/181	78	4.1		97	<1
16096/1	79	20		102	<1
16096/21	80	2.5		96	<1
16096/41	81	7.2		103	<1
16096/61	82	18		95	<1
16096/81	83	8.4		102	<1
16096/101	84	11		102	<1
16096/121	85	16		102	<1
16096/141	86	4.9		97	<1
16096/161	87	8.7		103	<1
16096/181	88	4.9		95	<1
16111/1	89	11		101	<1
16111/21	90	1.9		94	<1
Control Limits		+/- 20 % of the mean		80-120%	<1

Approved Signatory



Y.T. Wong

Date: 6 Jan. 06

Remark(s)

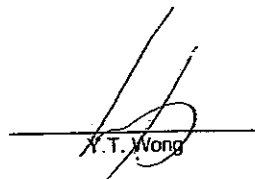
QC REPORT

Project Name : Marine Water Quality Monitoring at Tsing Lung Tau
 Client Name : Ove Arup & Partners Hong Kong Ltd
 Contract No. : N/A
 Lab. Sample Ref. No. : 15953, 15962, 15970, 16005, 16083, 16021, 16029, 16051, 16054, 16078, 16096, 16111
 16136, 16148, 16167

Parameter: TSS

Lab Sample Ref. No.	Batch	Sample Duplicate		Quality Control Standard	Method Blank
		(Relative percentage deviation)		%	mg/L
16111/41	91		19	97	<1
16111/61	92		18	95	<1
16111/81	93		17	103	<1
16111/101	94		8.2	103	<1
16111/121	95		8.0	95	<1
16111/141	96		20	103	<1
16111/161	97		17	103	<1
16111/181	98		18	102	<1
16136/1	99		8.0	102	<1
16136/21	100		2.5	96	<1
16136/41	101		17	96	<1
16136/61	102		3.5	102	<1
16136/81	103		3.4	95	<1
16136/101	104		19	103	<1
16136/121	105		14	97	<1
16136/141	106		7.7	96	<1
16136/161	107		2.7	102	<1
16136/181	108		8.5	102	<1
16148/1	109		11	96	<1
16148/21	110		3.3	103	<1
16148/41	111		15	96	<1
16148/61	112		3.8	103	<1
16148/81	113		19	102	<1
16148/101	114		11	101	<1
16148/121	115		3.9	95	<1
16148/141	116		4.9	86	<1
16148/161	117		6.9	102	<1
16148/181	118		5.7	99	<1
16167/1	119		11	96	<1
16167/21	120		20	101	<1
Control Limits		+/- 20 % of the mean		80-120%	<1

Approved Signatory



X. T. Wong

Date: 6 Jan. 06

Remark :

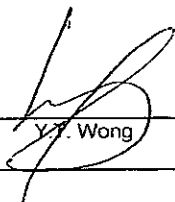
QC REPORT

Project Name : Marine Water Quality Monitoring at Tsing Lung Tau
 Client Name : Ove Arup & Partners Hong Kong Ltd
 Contract No. : N/A
 Lab. Sample Ref. No. : 15953, 15962, 15970, 16005, 16083, 16021, 16029, 16051, 16054, 16078, 16096, 16111
 16136, 16148, 16167

Parameter: TSS

Lab Sample Ref. No.	Batch	Sample Duplicate (Relative percentage deviation)	Quality Control Standard %	Method Blank mg/L
16167/41	121	0.0	95	<1
16167/61	122	9.5	102	<1
16167/81	123	6.5	103	<1
16167/101	124	3.6	103	<1
16167/121	125	16	95	<1
16167/141	126	11	98	<1
16167/161	127	6.7	95	<1
16167/181	128	0.0	103	<1
Control Limits		+/- 20 % of the mean	80-120%	<1

Approved Signatory :


 Y. F. Wong

Date: 6 Jan. 06

Remark :